LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
Data File : VU046052.D
Acq On : 02 Dec 2021 15:12
Operator : SY/MD
Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Title : VOC Analysis

Signal : TIC: VU046052.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.597	72	80	97	rVB2	96823	124265	7.97%	0.909%
2	1.880	160	168	172	rBV	7957	10970	0.70%	0.080%
3	1.912	172	178	195	rVB	55532	82100	5.26%	0.601%
4	2.369	310	320	334	rVB	97638	147802	9.48%	1.082%
5	2.549	364	376	389	rBV	164576	264752	16.97%	1.938%
6	2.661	401	411	440	rVB	12933	38942	2.50%	0.285%
7	2.954	495	502	506	rBV3	539	706	0.05%	0.005%
8	3.044	519	530	540	rVV4	4152	7878	0.51%	0.058%
9	3.182	558	573	592	rBV2	6292	15847	1.02%	0.116%
10	3.346	613	624	633	rVB4	1720	2892	0.19%	0.021%
11	3.694	729	732	737	rVB3	397	361	0.02%	0.003%
12	3.835	771	776	780	rBV3	564	653	0.04%	0.005%
13	4.079	847	852	857	rBV	165	233	0.01%	0.002%
14	4.456	965	969	973	rVV2	281	268	0.02%	0.002%
15	4.661	1011	1033	1069	rBV3	244994	659012	42.25%	4.823%
16	5.066	1141	1159	1182	rBV2	119268	304301	19.51%	2.227%
17	5.288	1224	1228	1232	rVB4	501	434	0.03%	0.003%
18	5.359	1247	1250	1252	rBV	411	291	0.02%	0.002%
19	5.456	1273	1280	1287	rBB3	465	739	0.05%	0.005%
20	5.584	1315	1320	1326	rBV4	766	942	0.06%	0.007%
21	5.722	1341	1363	1375	rBV2	302678	798954	51.22%	5.847%
22	5.893	1413	1416	1419	rBV2	321	268	0.02%	0.002%
23	5.976	1432	1442	1458	rBV6	3436	8147	0.52%	0.060%
24	6.128	1482	1489	1490	rBV2	915	934	0.06%	0.007%
25	6.250	1512	1527	1550	rVB	271499	522347	33.49%	3.823%
26	6.536	1599	1616	1628	rBV9	7191	17098	1.10%	0.125%
27	6.584	1628	1631	1634	rBV2	522	511	0.03%	0.004%
28	6.690	1650	1664	1684	rBV	176461	348104	22.32%	2.548%
29	6.803	1696	1699	1706	rVB4	686	677	0.04%	0.005%
30	6.867	1716	1719	1726	rVB3	263	292	0.02%	0.002%
31	6.922	1730	1736	1737	rBV2	599	410	0.03%	0.003%
32	7.182	1810	1817	1827	rBV3	1362	2286	0.15%	0.017%
33	7.500	1910	1916	1922	rBV2	934	1328	0.09%	0.010%
34	7.568	1922	1937	1959	rVV2	96646	180485	11.57%	1.321%
35	7.652	1959	1963	1969	rBV5	819	891	0.06%	0.007%
36	7.690	1969	1975	1978	rBV3	555	761	0.05%	0.006%

LSC Area Percent Report

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Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Title : VOC Analysis

37	7.803	1999	2010	2013	rBV6	4332	6948	0.45%	0.051%
38	7.899	2028	2040	2053	rBV	358032	636823	40.83%	4.661%
39	7.970	2053	2062	2081	rVB	105509	188564	12.09%	1.380%
40	8.127	2105	2111	2117	rBV2	1892	2627	0.17%	0.019%
41	8.182	2117	2128	2145	rVV	61648	119442	7.66%	0.874%
42	8.369	2180	2186	2195	rVB3	536	875	0.06%	0.006%
43	8.597	2251	2257	2260	rBV	168	248	0.02%	0.002%
44	8.664	2260	2278	2304	rBV	146493	388875	24.93%	2.846%
45	8.861	2331	2339	2349	rVB4	1691	2973	0.19%	0.022%
46	8.934	2352	2362	2366	rBV5	1878	3321	0.21%	0.024%
47	9.057	2392	2400	2412	rVB6	1041	2021	0.13%	0.015%
48	9.121	2412	2420	2428	rBV5	1324	2515	0.16%	0.018%
49	9.166	2428	2434	2439	rVV4	2528	3347	0.21%	0.024%
50	9.214	2442	2449	2459	rVB6	5394	9414	0.60%	0.069%
51	9.336	2477	2487	2499	rVV3	5409	9129	0.59%	0.067%
52	9.423	2499	2514	2536	rBV	353429	671210	43.03%	4.912%
53	9.574	2548	2561	2575	rBV	270724	469042	30.07%	3.433%
54	9.697	2584	2599	2612	rBV	867288	1559822	100.00%	11.416%
55	9.870	2650	2653	2657	rBV2	319	282	0.02%	0.002%
56	9.931	2665	2672	2673	rBV3	811	824	0.05%	0.006%
57	9.941	2673	2675	2685	rVB4	1008	1286	0.08%	0.009%
58	10.024	2688	2701	2712	rBV8	6941	16477	1.06%	0.121%
59	10.105	2714	2726	2754	rVB	258894	468769	30.05%	3.431%
60	10.253	2754	2772	2785	rBV6	11577	27132	1.74%	0.199%
61	10.320	2786	2793	2794	rBV3	1496	1535	0.10%	0.011%
62	10.356	2796	2804	2814	rBV7	12094	23347	1.50%	0.171%
63	10.487	2830	2845	2856	rVV	40509	69084	4.43%	0.506%
64	10.558	2856	2867	2875	rBV6	6922	13526	0.87%	0.099%
65	10.767	2920	2932	2943	rBV	244910	409162	26.23%	2.994%
66	10.909	2967	2976	2985	rBV	30047	46425	2.98%	0.340%
67	11.002	2995	3005	3021	rBV	112059	246048	15.77%	1.801%
68	11.095	3026	3034	3036	rBV	60616	78596	5.04%	0.575%
69	11.243	3075	3080	3085	rBV4	1879	2550	0.16%	0.019%
70	11.298	3086	3097	3114	rVV	51790	106782	6.85%	0.781%
71	11.378	3115	3122	3127	rVV4	8108	12037	0.77%	0.088%
72	11.417	3128	3134	3141	rVV2	20782	30304	1.94%	0.222%
73	11.471	3141	3151	3171	rVB	236951	385316	24.70%	2.820%
74	11.574	3178	3183	3189	rBV4	6099	8830	0.57%	0.065%
75	11.709	3216	3225	3230	rBV7	16721	31148	2.00%	0.228%
76	11.815	3247	3258	3270	rBV	447802	716639	45.94%	5.245%

LSC Area Percent Report

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Operator : SY/MD
Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Title : VOC Analysis

77	11.899	3272	3284	3295	rVV	69614	126875	8.13%	0.929%
78	12.098	3335	3346	3353	rBV2	61148	110301	7.07%	0.807%
79	12.198	3364	3377	3391	rVB2	445906	758144	48.60%	5.548%
80	12.327	3407	3417	3426	rVB2	101725	155932	10.00%	1.141%
81	12.381	3428	3434	3449	rVB4	21046	40492	2.60%	0.296%
82	12.468	3453	3461	3465	rBV	21595	30817	1.98%	0.226%
83	12.574	3488	3494	3502	rVB	26275	36625	2.35%	0.268%
84	12.931	3599	3605	3611	rBV7	10140	17770	1.14%	0.130%
85	13.031	3628	3636	3652	rVB	32407	67659	4.34%	0.495%
86	13.356	3730	3737	3744	rBV4	8246	11555	0.74%	0.085%
87	13.433	3755	3761	3766	rBV2	28850	46075	2.95%	0.337%
88	13.732	3847	3854	3864	rBV10	5025	9880	0.63%	0.072%
89	13.786	3865	3871	3878	rVV2	4655	6467	0.41%	0.047%
90	13.838	3881	3887	3904	rVB5	12318	25590	1.64%	0.187%
91	14.089	3954	3965	3984	rVB	340518	548881	35.19%	4.017%
92	14.452	4073	4078	4084	rVB	14469	16085	1.03%	0.118%
93	14.677	4139	4148	4163	rVB6	13039	29244	1.87%	0.214%
94	15.224	4306	4318	4330	rBV	435738	663441	42.53%	4.855%
95	15.343	4349	4355	4364	rBV7	6628	10268	0.66%	0.075%
96	15.410	4365	4376	4390	rBV	182064	296445	19.01%	2.170%
97	15.954	4538	4545	4556	rVB	56398	85806	5.50%	0.628%
98	16.150	4598	4606	4613	rBV	25560	37801	2.42%	0.277%
99	16.262	4631	4641	4661	rBV	64013	112097	7.19%	0.820%
100	16.410	4677	4687	4693	rBV	63630	99592	6.38%	0.729%

Sum of corrected areas: 13664018

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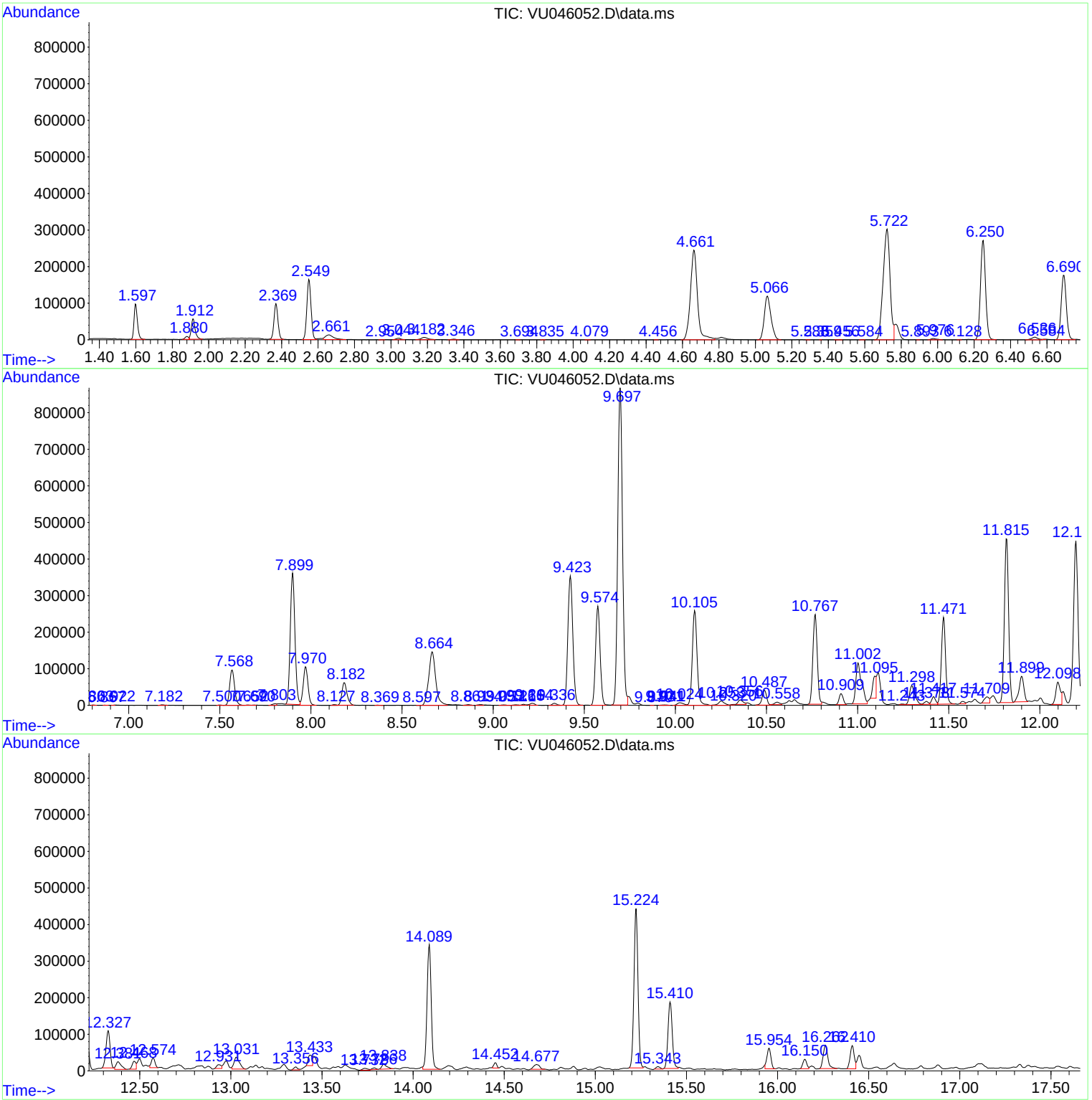
Instrument :
MSVOA_U
ClientSampleId :
BGKN8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

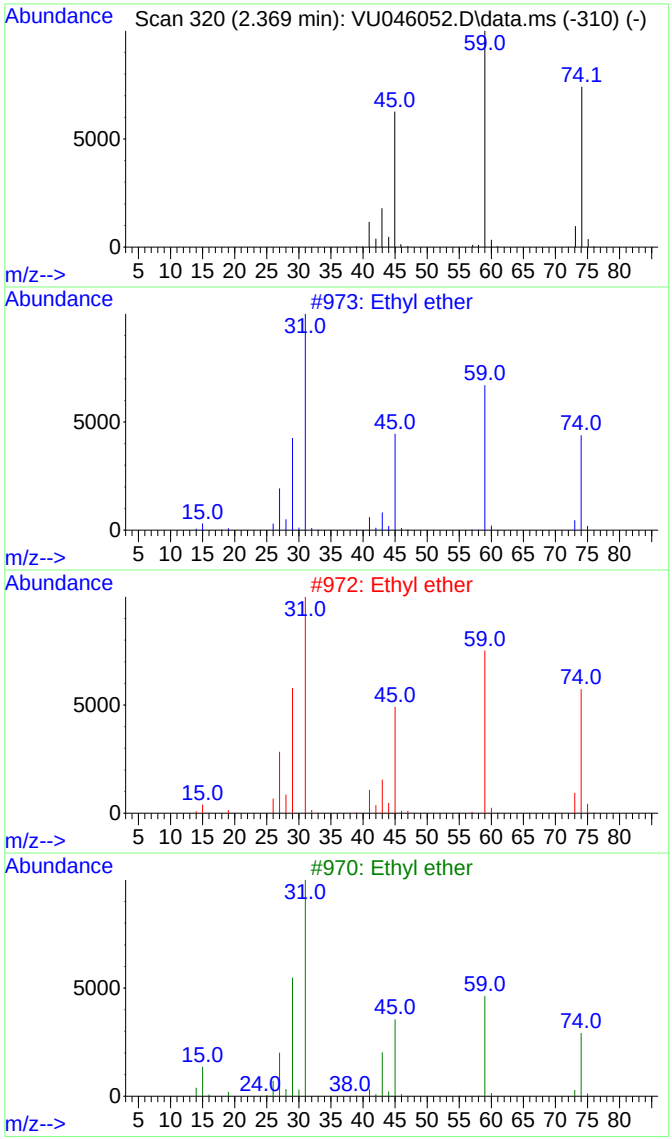
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

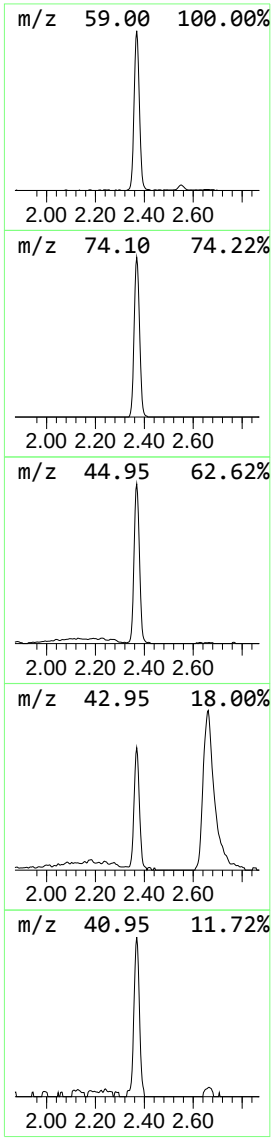
****

Peak Number 1 Ethyl ether Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.369	14.15 ug/L	147802	1,4-Difluorobenzene	6.250

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	90
2	Ethyl ether	74	C4H10O	000060-29-7	90
3	Ethyl ether	74	C4H10O	000060-29-7	83
4	Ethyl ether	74	C4H10O	000060-29-7	72
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
Data File : VU046052.D
Acq On : 02 Dec 2021 15:12
Operator : SY/MD
Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

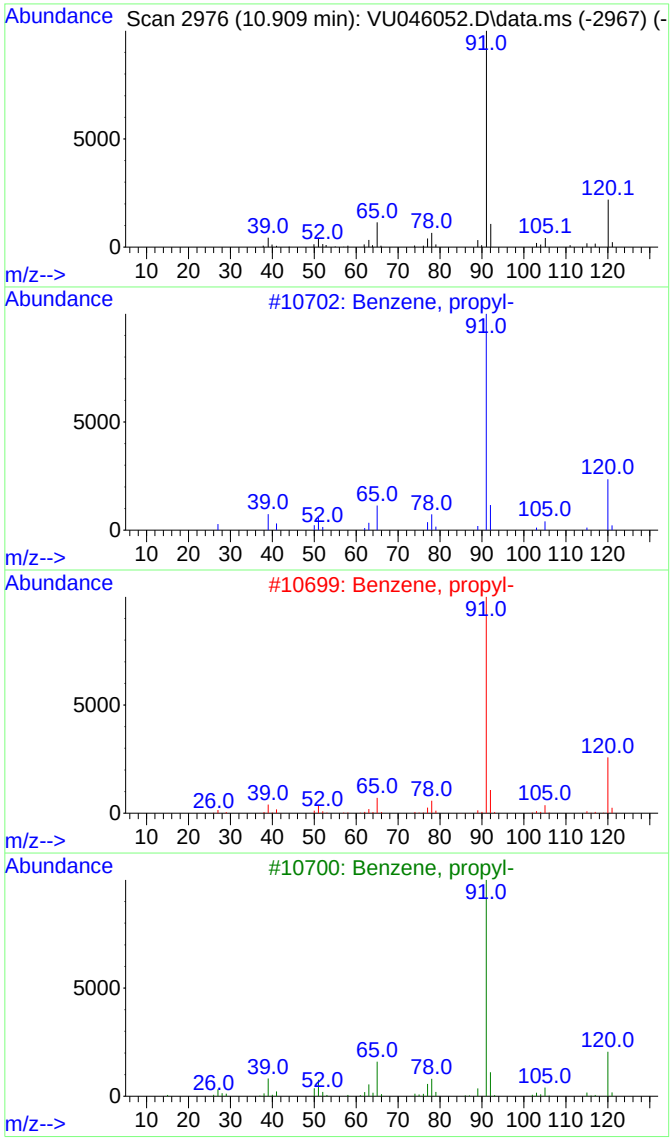
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

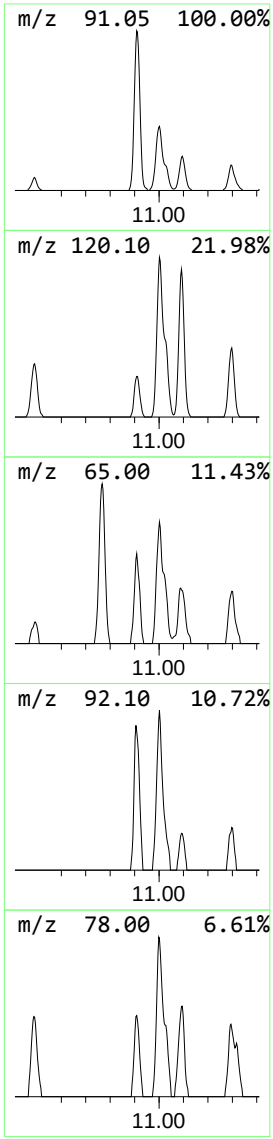
****

Peak Number 3 Benzene, propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.909	3.24 ug/L	46425	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	90
4	Benzene, propyl-	120	C9H12	000103-65-1	90
5	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72





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Acq On : 02 Dec 2021 15:12
Operator : SY/MD
Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

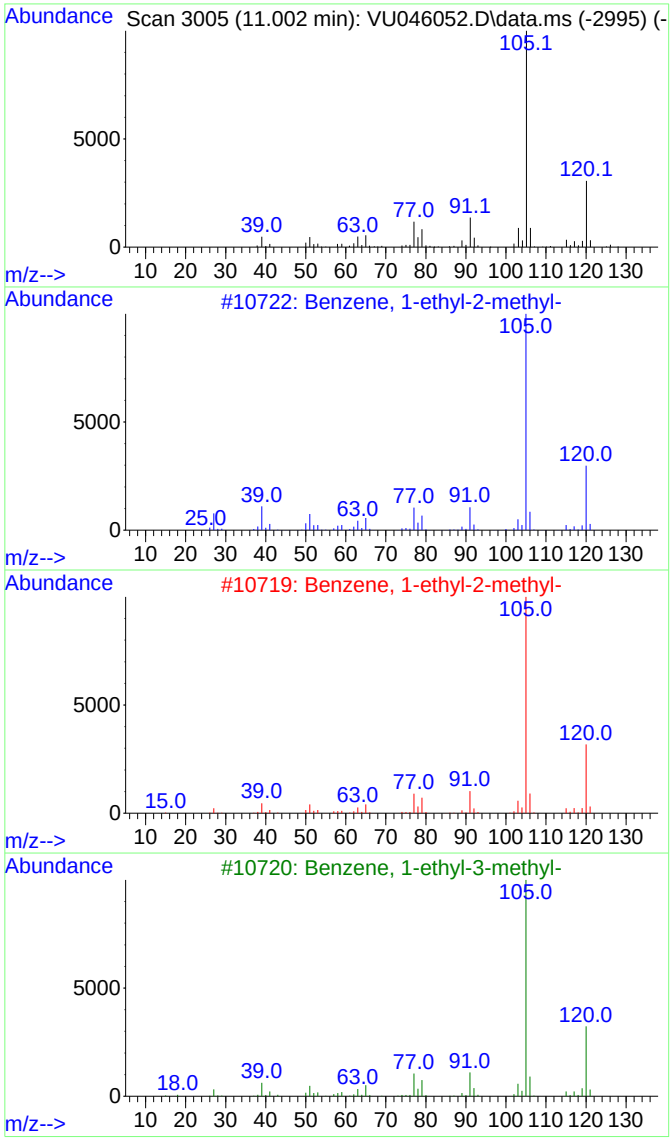
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

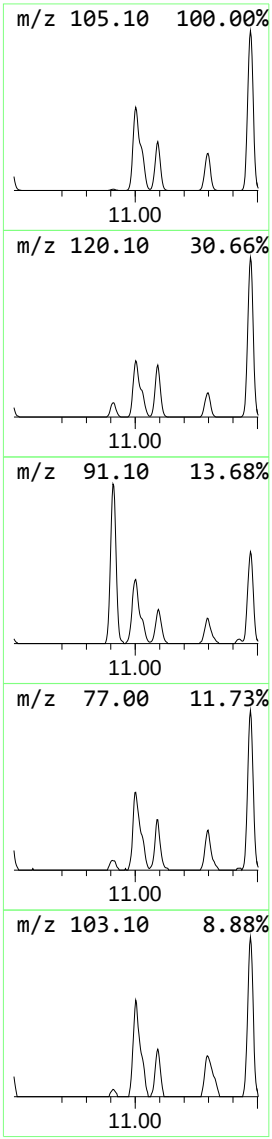
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.002	17.17 ug/L	246048	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
Data File : VU046052.D
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Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

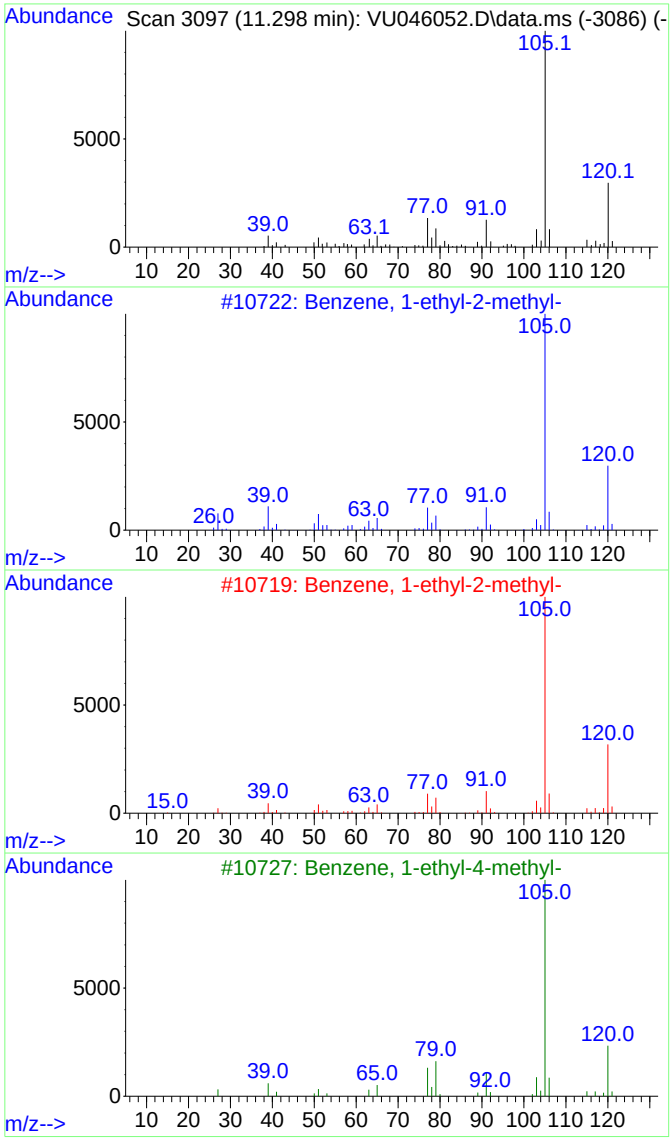
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

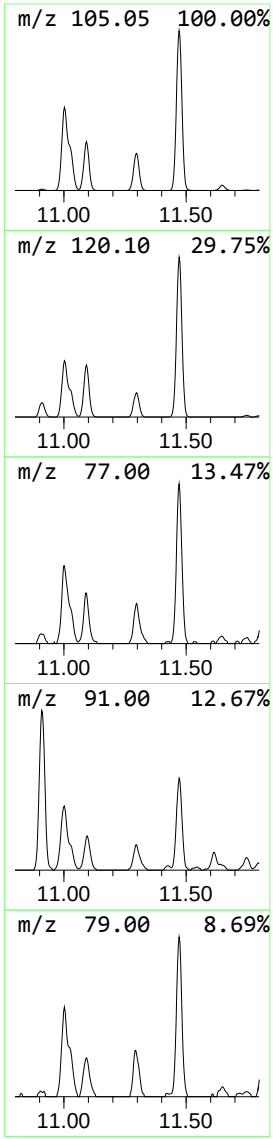
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.298	7.45 ug/L	106782	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
Data File : VU046052.D
Acq On : 02 Dec 2021 15:12
Operator : SY/MD
Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

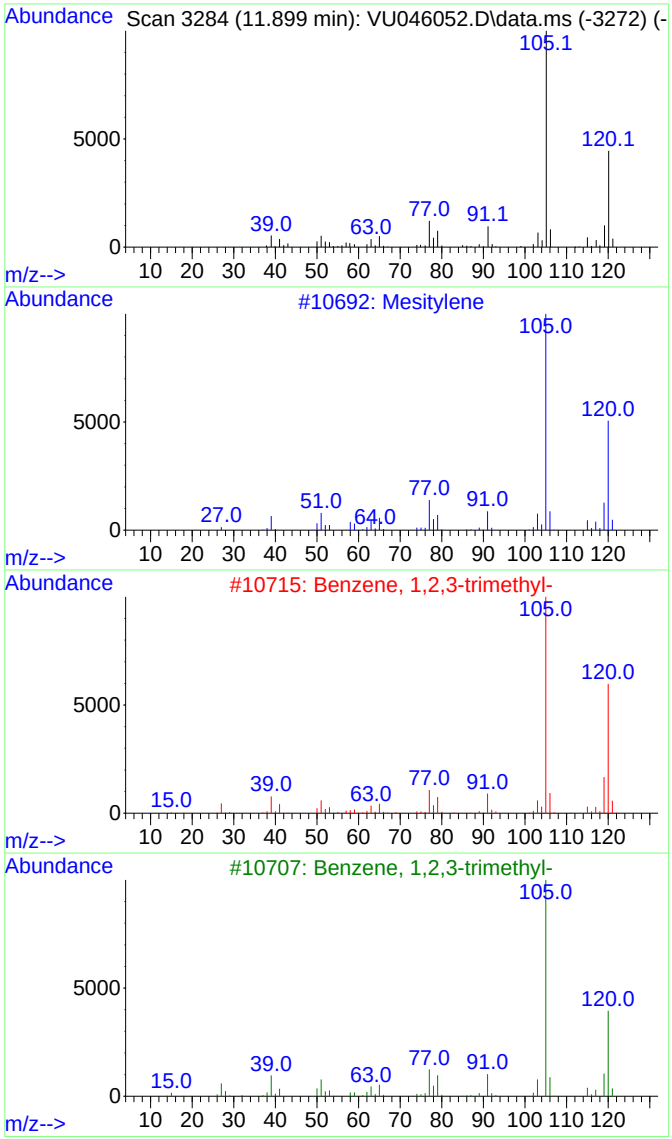
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

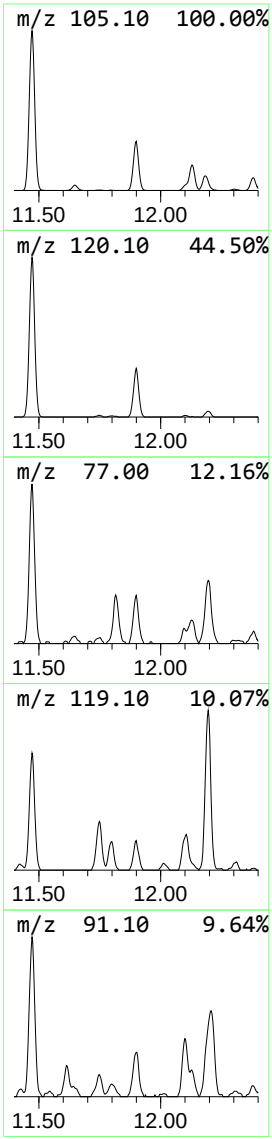
****

Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.899	8.85 ug/L	126875	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	93
5	Mesitylene	120	C9H12	000108-67-8	93





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Data File : VU046052.D
Acq On : 02 Dec 2021 15:12
Operator : SY/MD
Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

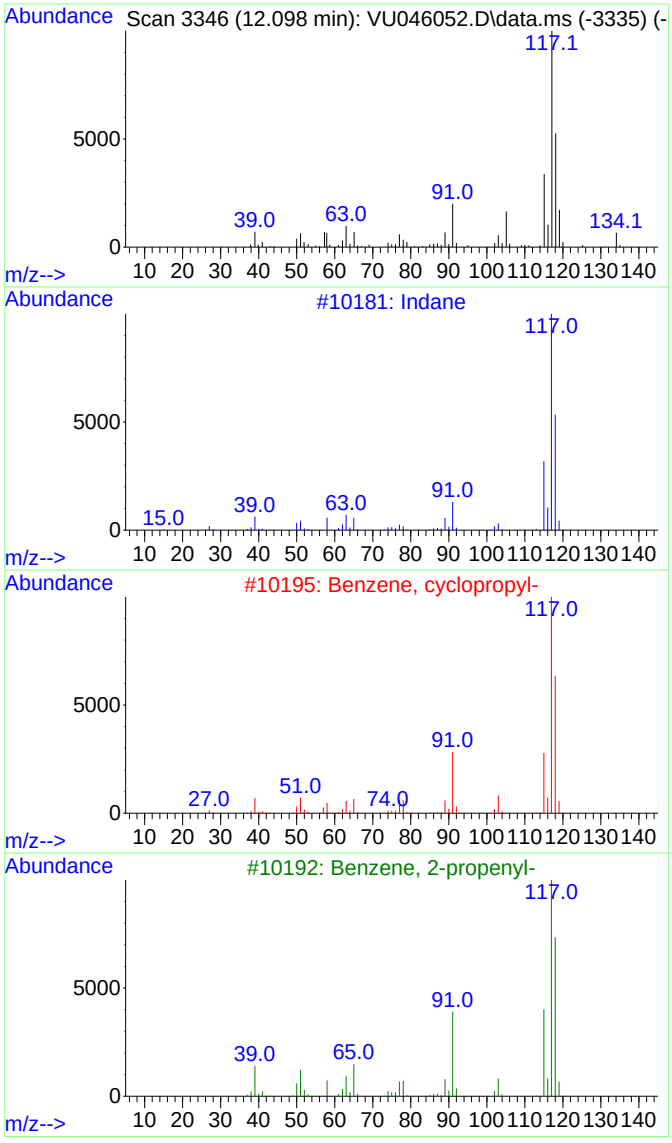
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

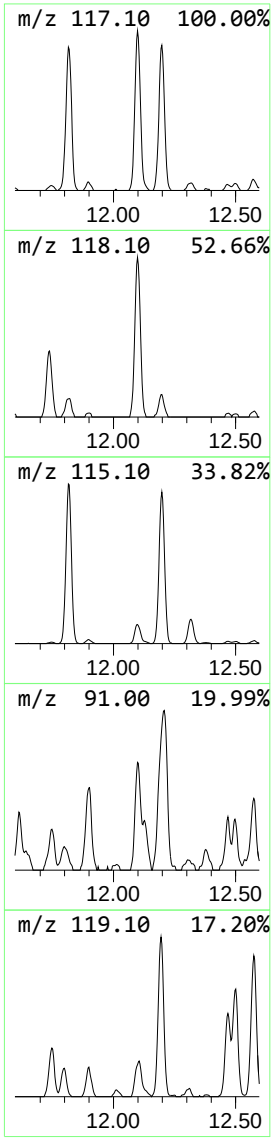
****

Peak Number 7 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.098	7.70 ug/L	110301	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	81
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	68
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





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Data File : VU046052.D
Acq On : 02 Dec 2021 15:12
Operator : SY/MD
Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

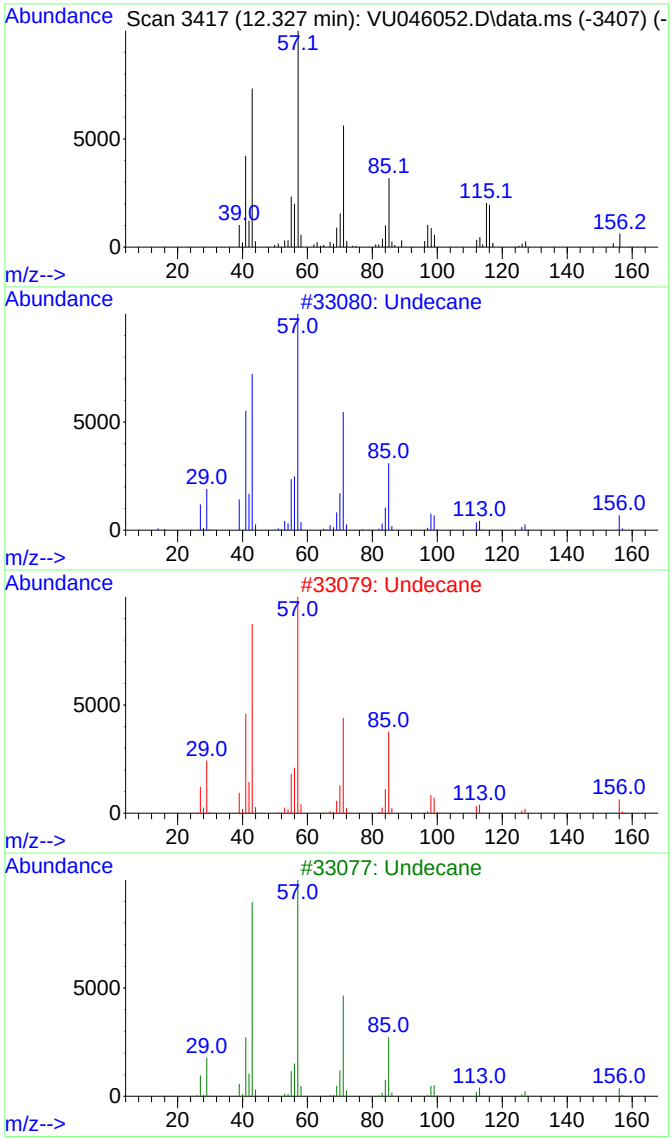
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

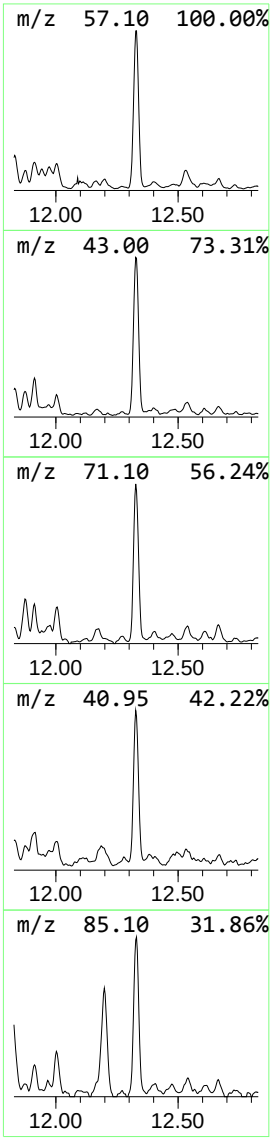
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.327	10.88 ug/L	155932	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	96
2	Undecane	156	C11H24	001120-21-4	87
3	Undecane	156	C11H24	001120-21-4	83
4	Undecane	156	C11H24	001120-21-4	60
5	Carbonic acid, prop-1-en-2-yl tr...	284	C17H32O3	1000382-90-8	58





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Data File : VU046052.D
Acq On : 02 Dec 2021 15:12
Operator : SY/MD
Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

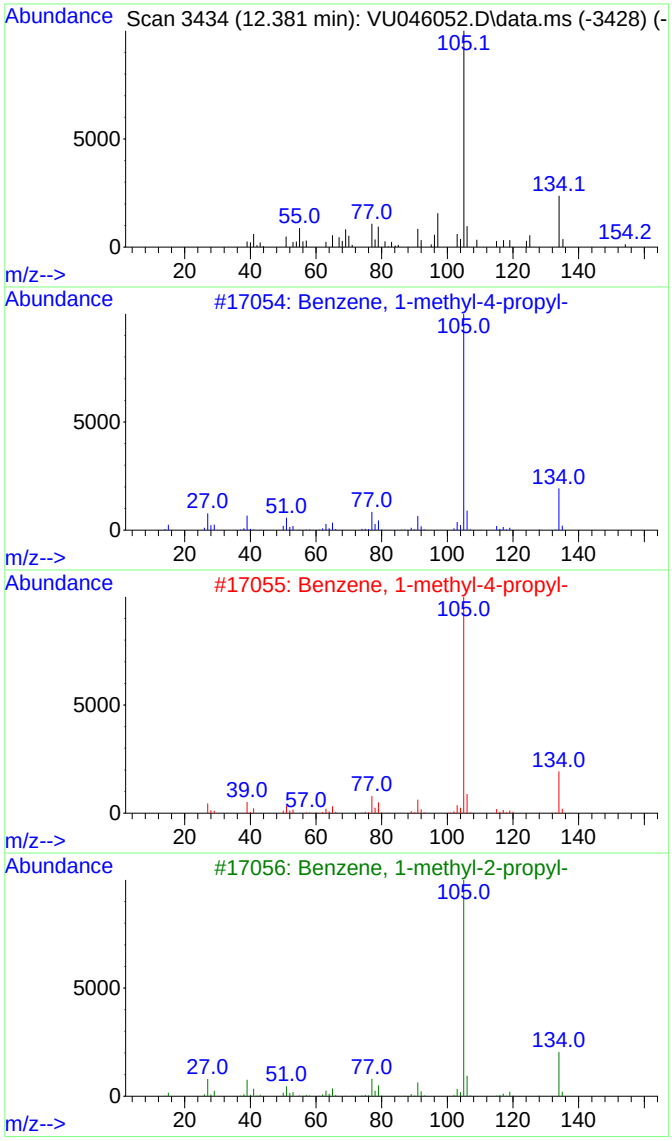
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

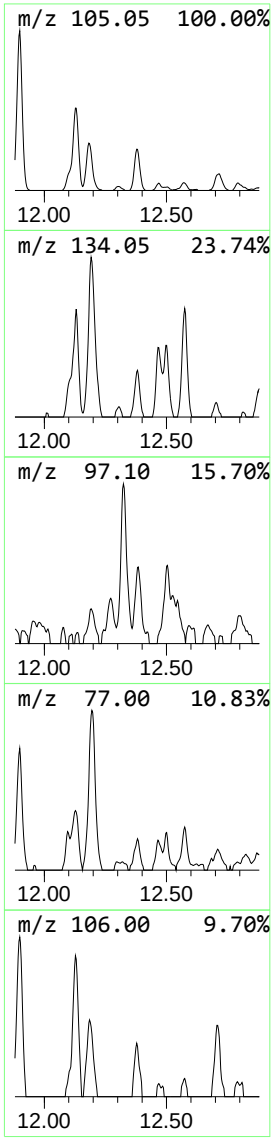
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-methyl-4-propyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.381	2.83 ug/L	40492	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	70
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	70
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	70
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	70
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
Data File : VU046052.D
Acq On : 02 Dec 2021 15:12
Operator : SY/MD
Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

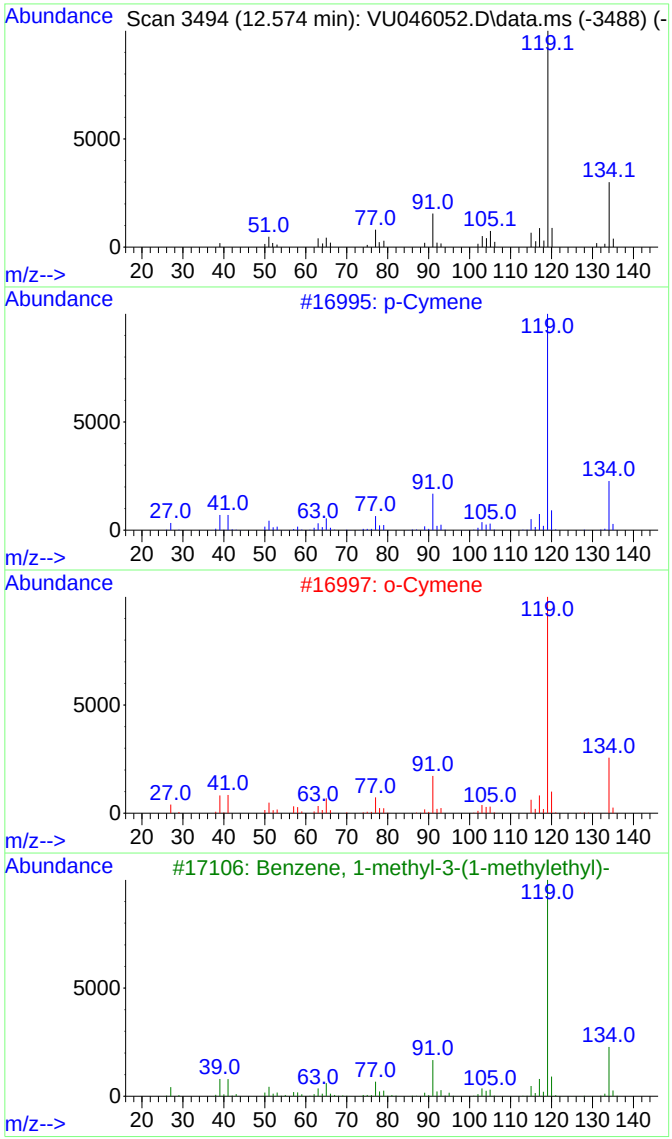
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

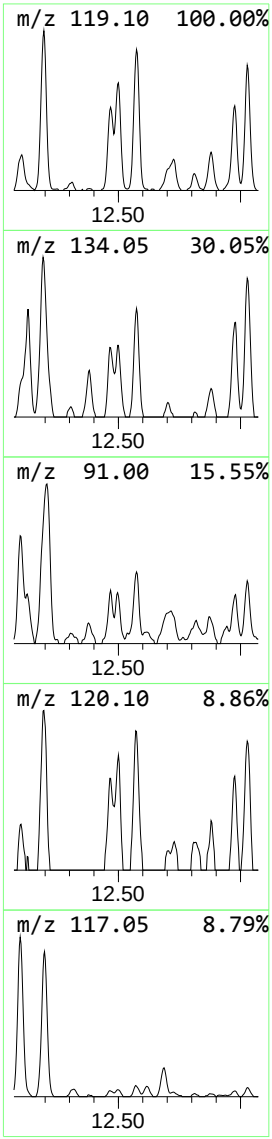
****

Peak Number 10 p-Cymene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.574	2.56 ug/L	36625	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	o-Cymene	134	C10H14	000527-84-4	95





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Data File : VU046052.D
Acq On : 02 Dec 2021 15:12
Operator : SY/MD
Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

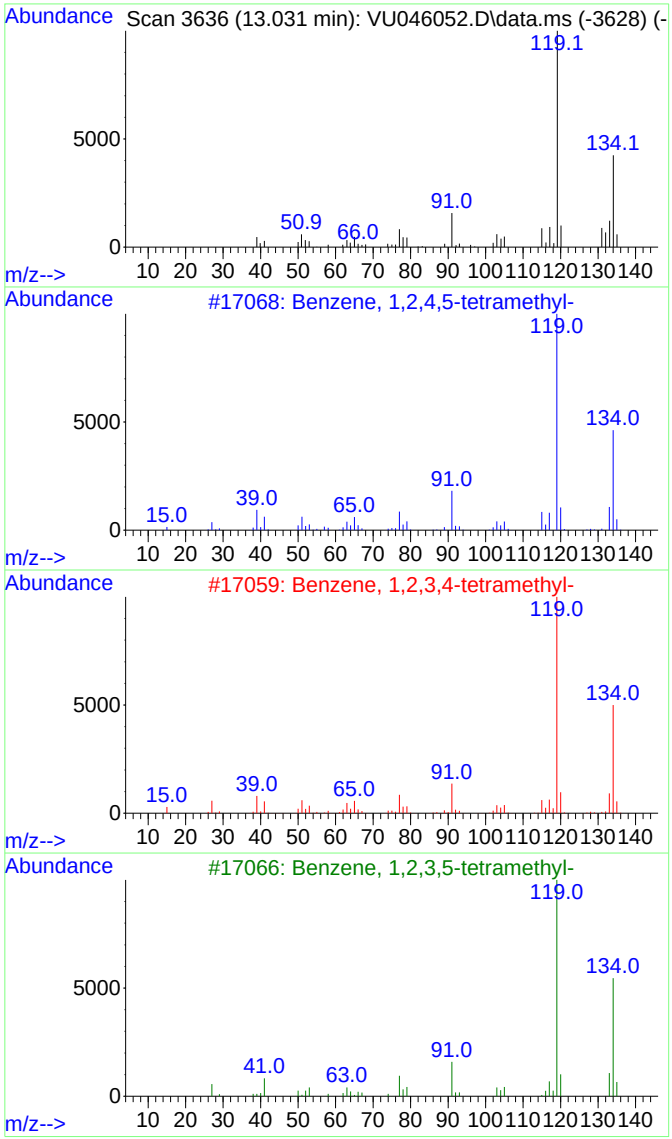
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

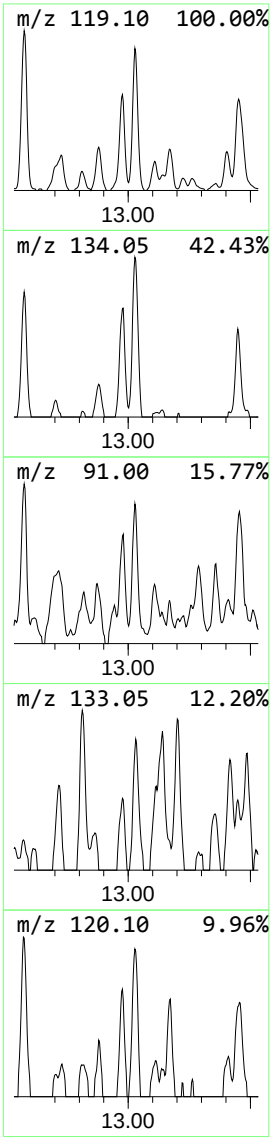
****

Peak Number 11 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.031	4.72 ug/L	67659	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





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Acq On : 02 Dec 2021 15:12
Operator : SY/MD
Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

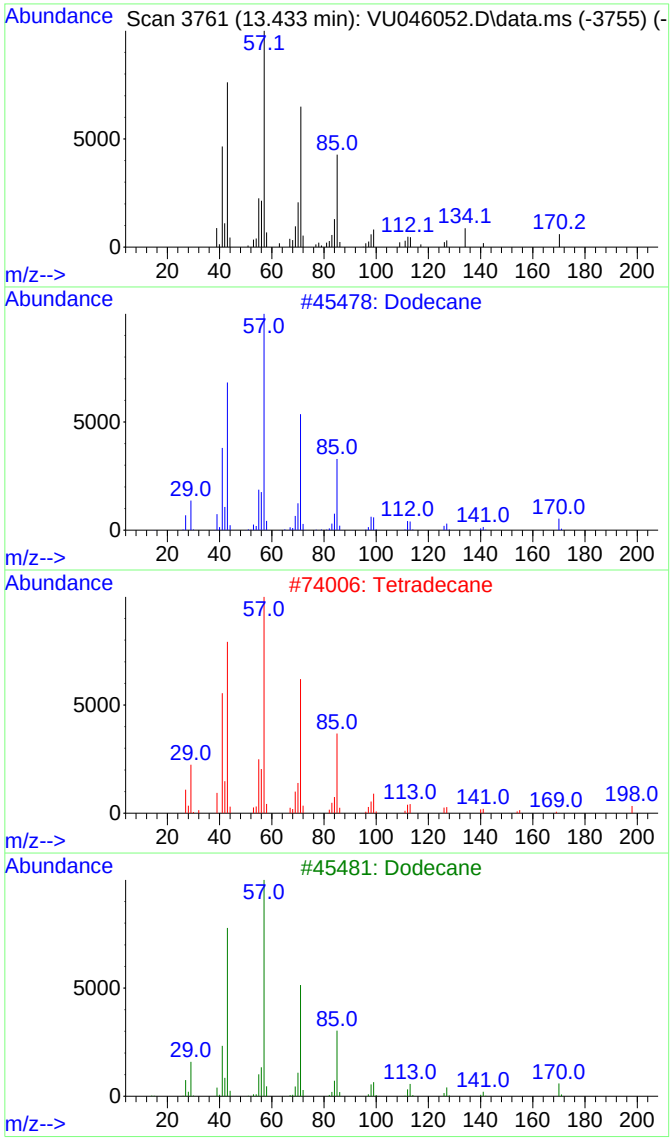
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

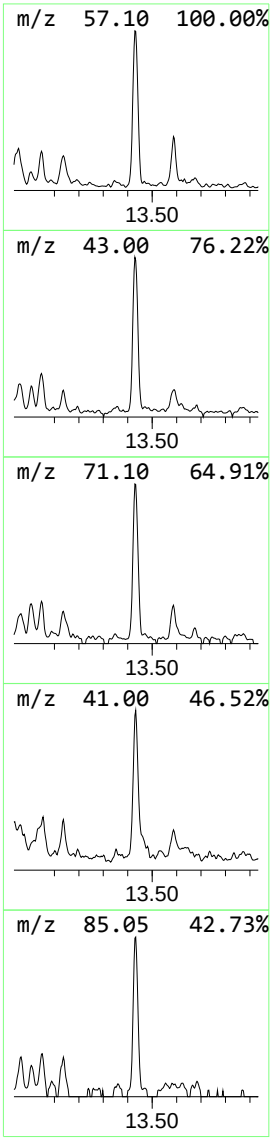
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.433	3.21 ug/L	46075	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	95
2	Tetradecane	198	C14H30	000629-59-4	80
3	Dodecane	170	C12H26	000112-40-3	74
4	Tetradecane	198	C14H30	000629-59-4	72
5	Carbonic acid, eicosyl vinyl ester	368	C23H44O3	1000382-54-3	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
Data File : VU046052.D
Acq On : 02 Dec 2021 15:12
Operator : SY/MD
Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

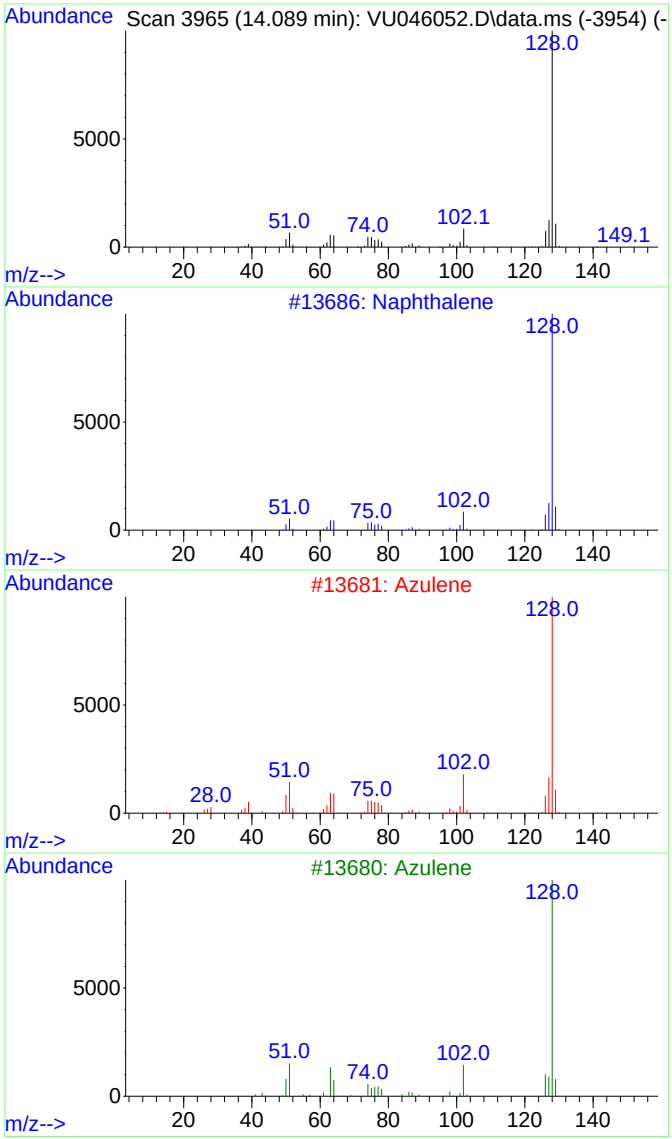
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

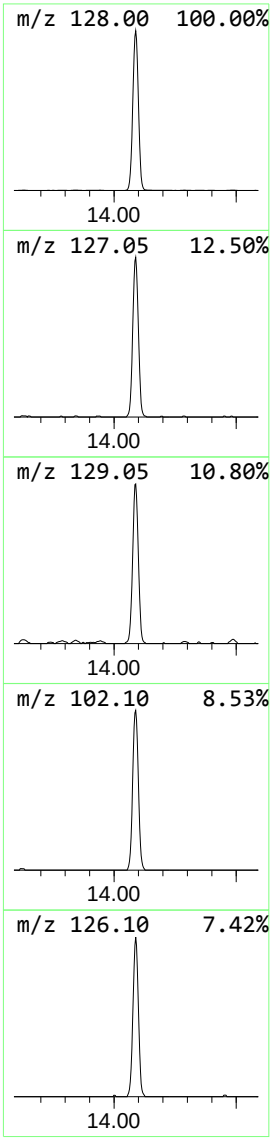
****

Peak Number 13 Azulene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.089	38.30 ug/L	548881	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Azulene	128	C10H8	000275-51-4	91
3	Azulene	128	C10H8	000275-51-4	91
4	Azulene	128	C10H8	000275-51-4	90
5	Azulene	128	C10H8	000275-51-4	90





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Data File : VU046052.D
Acq On : 02 Dec 2021 15:12
Operator : SY/MD
Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

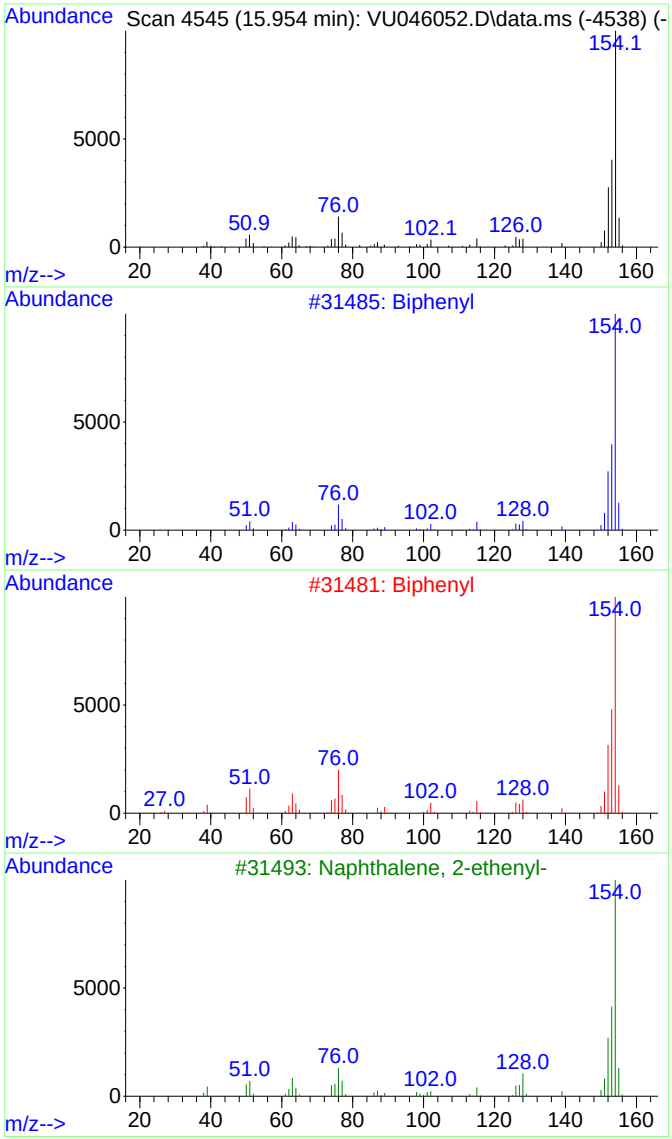
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

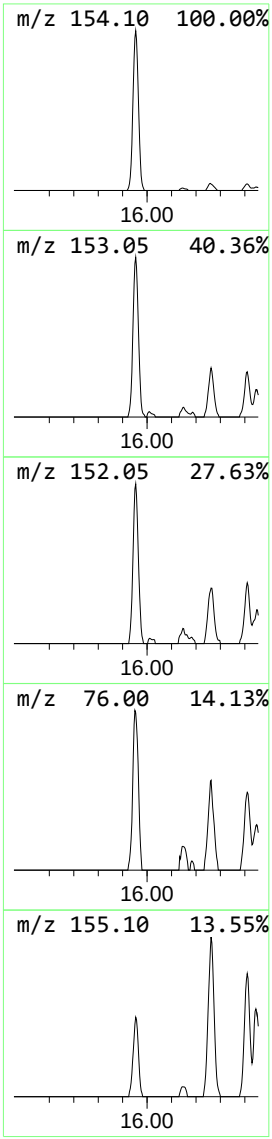
****

Peak Number 16 Naphthalene, 2-ethenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.954	5.99 ug/L	85806	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenyl	154	C12H10	000092-52-4	94
2	Biphenyl	154	C12H10	000092-52-4	93
3	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	91
4	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	91
5	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	81





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Data File : VU046052.D
Acq On : 02 Dec 2021 15:12
Operator : SY/MD
Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

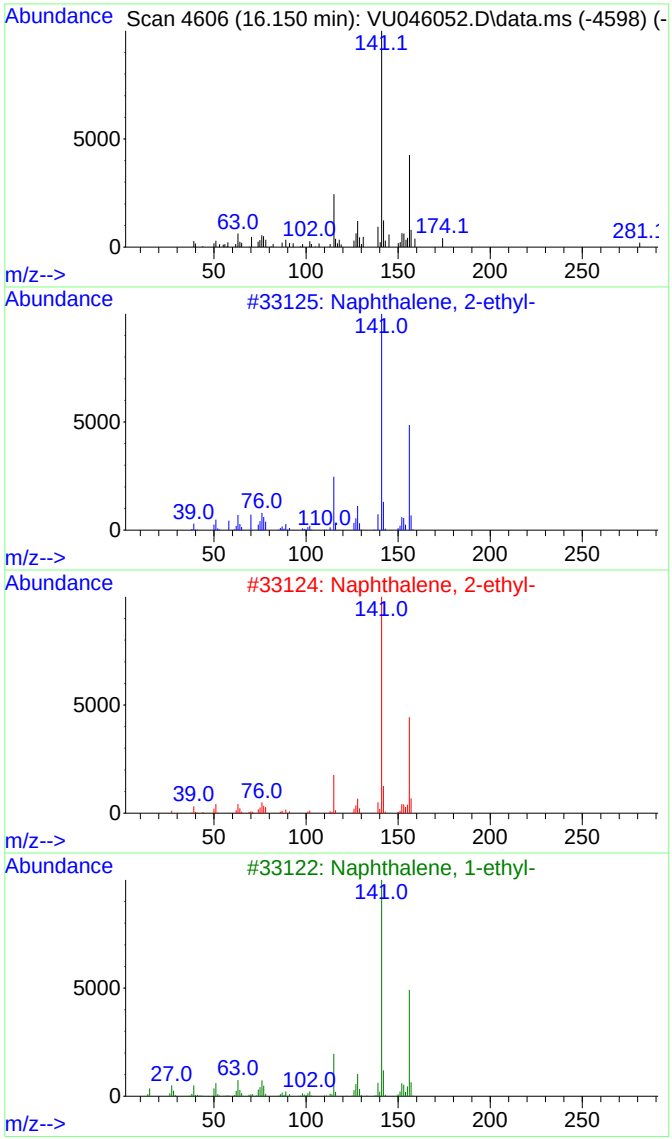
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

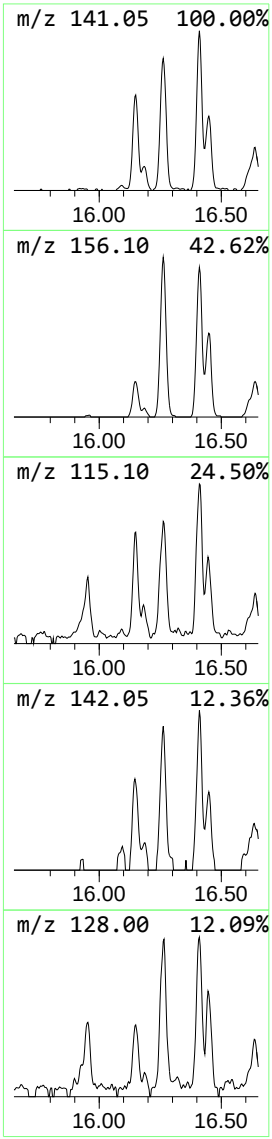
****

Peak Number 17 Naphthalene, 2-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.150	2.64 ug/L	37801	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93
5	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	93





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Data File : VU046052.D
Acq On : 02 Dec 2021 15:12
Operator : SY/MD
Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

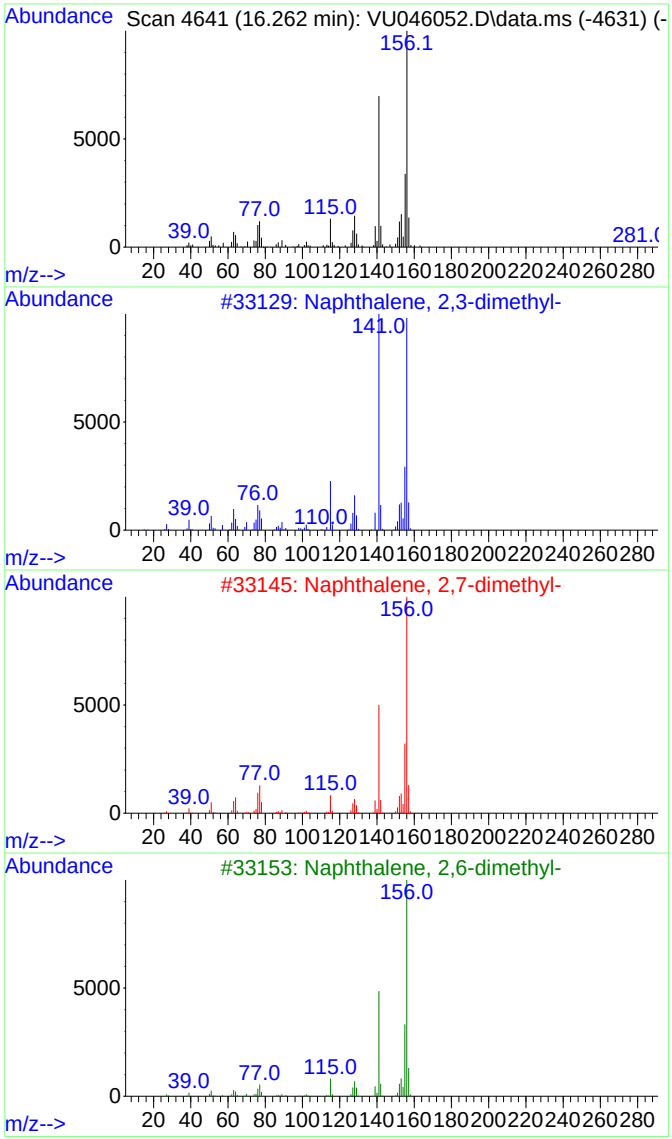
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

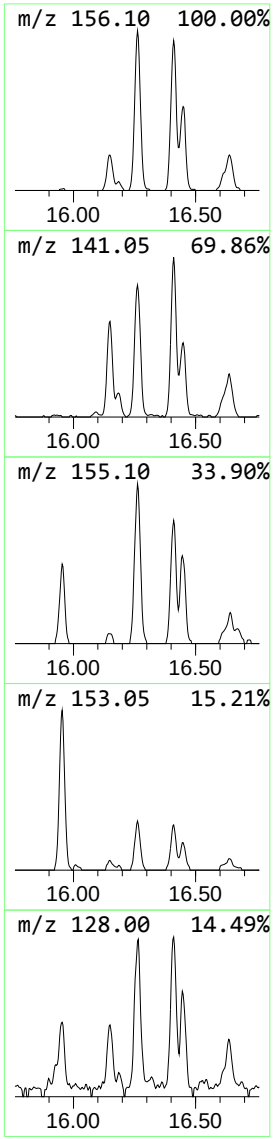
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.262	7.82 ug/L	112097	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





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Data File : VU046052.D
Acq On : 02 Dec 2021 15:12
Operator : SY/MD
Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

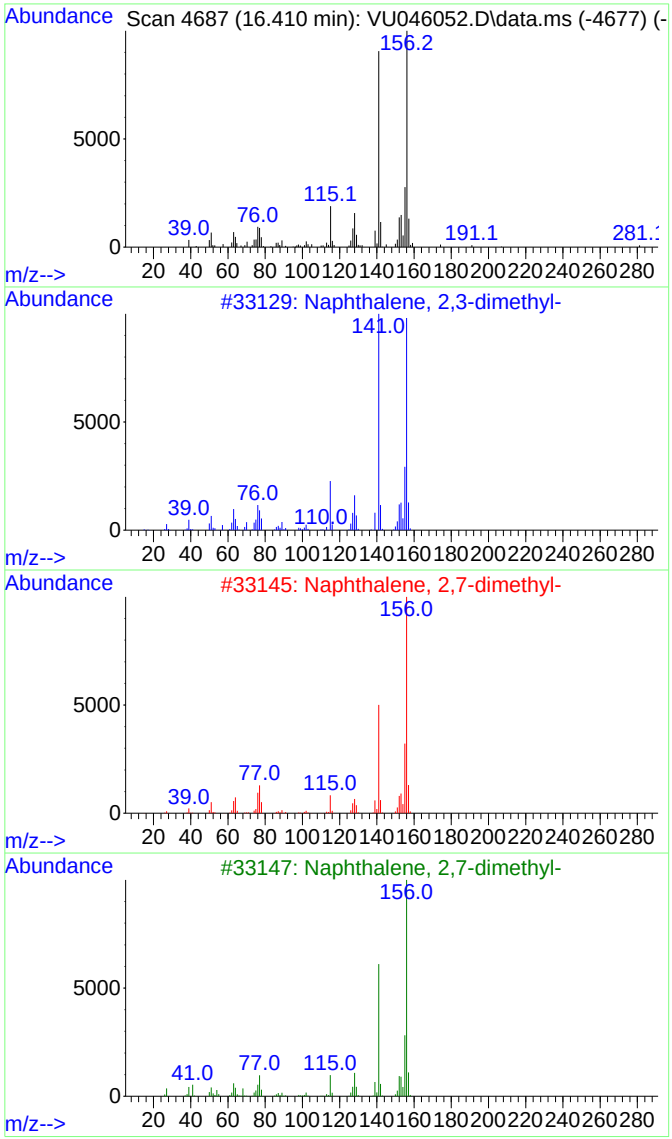
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

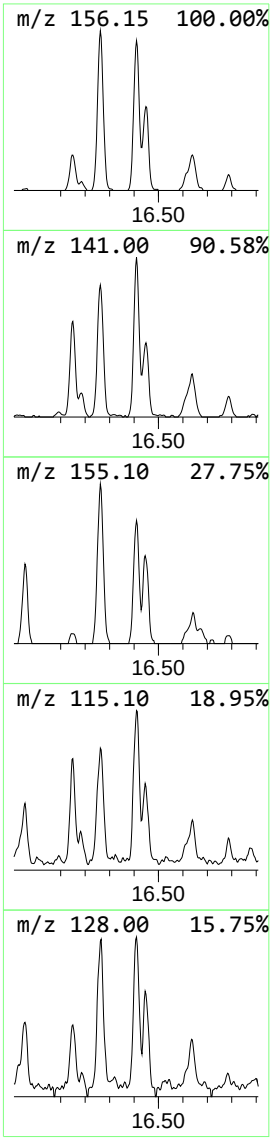
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Naphthalene, 2,7-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.410	6.95 ug/L	99592	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120221\
Data File : VU046052.D
Acq On : 02 Dec 2021 15:12
Operator : SY/MD
Sample : M4868-01
Misc : 4.97g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BGKN8

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Ethyl ether	2.369	14.2	ug/L	147802	1	6.250	522347	50.0
Benzene, propyl-	10.909	3.2	ug/L	46425	3	11.819	716639	50.0
Benzene, 1-ethy...	11.002	17.2	ug/L	246048	3	11.819	716639	50.0
Benzene, 1-ethy...	11.298	7.5	ug/L	106782	3	11.819	716639	50.0
Benzene, 1,2,3-...	11.899	8.8	ug/L	126875	3	11.819	716639	50.0
Indane	12.098	7.7	ug/L	110301	3	11.819	716639	50.0
(DEL) Alkane: S...	12.327	10.9	ug/L	155932	3	11.819	716639	50.0
Benzene, 1-meth...	12.381	2.8	ug/L	40492	3	11.819	716639	50.0
p-Cymene	12.574	2.6	ug/L	36625	3	11.819	716639	50.0
Benzene, 1,2,4,...	13.031	4.7	ug/L	67659	3	11.819	716639	50.0
(DEL) Alkane: S...	13.433	3.2	ug/L	46075	3	11.819	716639	50.0
Azulene	14.089	38.3	ug/L	548881	3	11.819	716639	50.0
Naphthalene, 2-...	15.954	6.0	ug/L	85806	3	11.819	716639	50.0
Naphthalene, 2-...	16.150	2.6	ug/L	37801	3	11.819	716639	50.0
Naphthalene, 2,...	16.262	7.8	ug/L	112097	3	11.819	716639	50.0
Naphthalene, 2,...	16.410	7.0	ug/L	99592	3	11.819	716639	50.0