LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
Data File : VU031045.D
Acq On : 11 Apr 2019 05:46
Operator : JC/SP
Sample : K2299-25
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB705

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\SOMULM040519WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.180	22	28	37	rVB	33704	33789	1.47%	0.174%
2	1.395	87	95	107	rBV	343728	368425	16.06%	1.900%
3	1.469	113	118	129	rVB	23487	26244	1.14%	0.135%
4	1.675	174	182	196	rBV	262043	336533	14.67%	1.736%
5	2.267	352	366	377	rBV	539551	837276	36.51%	4.319%
6	2.428	412	416	417	rBV2	1535	1062	0.05%	0.005%
7	2.691	489	498	499	rBV4	2596	2822	0.12%	0.015%
8	2.887	555	559	562	rVB2	1181	962	0.04%	0.005%
9	2.974	582	586	587	rBV3	984	647	0.03%	0.003%
10	3.103	622	626	630	rVB4	1057	876	0.04%	0.005%
11	3.141	630	638	641	rBV2	689	735	0.03%	0.004%
12	3.190	648	653	662	rVB6	1572	2436	0.11%	0.013%
13	3.334	695	698	704	rVB4	979	716	0.03%	0.004%
14	3.427	723	727	735	rVB5	918	1063	0.05%	0.005%
15	3.659	794	799	803	rVB4	850	706	0.03%	0.004%
16	4.009	899	908	913	rBV8	1951	3598	0.16%	0.019%
17	4.170	945	958	991	rBV	228260	710194	30.97%	3.663%
18	4.543	1072	1074	1079	rVB3	968	902	0.04%	0.005%
19	4.643	1088	1105	1131	rBV	376451	956909	41.72%	4.936%
20	4.903	1184	1186	1190	rVB4	1462	951	0.04%	0.005%
21	4.977	1205	1209	1211	rBV3	737	681	0.03%	0.004%
22	5.112	1248	1251	1255	rBV3	826	875	0.04%	0.005%
23	5.334	1296	1320	1356	rBV2	765993	2293459	100.00%	11.829%
24	5.588	1396	1399	1403	rBV3	1679	1565	0.07%	0.008%
25	5.881	1477	1490	1514	rBV	604357	1214243	52.94%	6.263%
26	6.186	1573	1585	1603	rVB4	37151	77645	3.39%	0.400%
27	6.324	1614	1628	1649	rBV	512619	1039572	45.33%	5.362%
28	6.540	1688	1695	1713	rBV5	10047	21970	0.96%	0.113%
29	6.755	1751	1762	1777	rVB	30583	60319	2.63%	0.311%
30	6.881	1799	1801	1806	rBV5	903	745	0.03%	0.004%
31	6.977	1823	1831	1834	rBV7	924	1254	0.05%	0.006%
32	6.993	1834	1836	1843	rVV3	897	824	0.04%	0.004%
33	7.225	1895	1908	1933	rBV2	265916	500286	21.81%	2.580%
34	7.392	1958	1960	1966	rVB3	1151	983	0.04%	0.005%

LSC Area Percent Report

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Acq On : 11 Apr 2019 05:46
Operator : JC/SP
Sample : K2299-25
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB705

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\SOMULM040519WMA.M
Title : VOC Analysis

35	7.562	2000	2013	2028	rBV	970410	1718846	74.95%	8.865%
36	7.845	2091	2101	2131	rBV	182232	332834	14.51%	1.717%
37	8.154	2192	2197	2198	rBV4	1672	1088	0.05%	0.006%
38	8.176	2198	2204	2207	rVV6	2404	2552	0.11%	0.013%
39	8.225	2209	2219	2234	rVV2	84955	146397	6.38%	0.755%
40	8.308	2234	2245	2283	rBV	680557	1334577	58.19%	6.883%
41	8.463	2284	2293	2313	rBV3	172322	320637	13.98%	1.654%
42	8.729	2371	2376	2381	rBV6	719	993	0.04%	0.005%
43	8.781	2390	2392	2399	rVB6	1067	1193	0.05%	0.006%
44	8.903	2427	2430	2439	rVB5	775	971	0.04%	0.005%
45	9.086	2474	2487	2506	rBV	877529	1517838	66.18%	7.829%
46	9.283	2544	2548	2552	rVB3	1225	1046	0.05%	0.005%
47	9.366	2571	2574	2576	rBV4	1150	840	0.04%	0.004%
48	9.569	2632	2637	2643	rVB4	1173	1457	0.06%	0.008%
49	9.678	2667	2671	2676	rBV6	874	677	0.03%	0.003%
50	9.951	2746	2756	2769	rVB10	7445	14584	0.64%	0.075%
51	10.032	2773	2781	2796	rBV5	21608	44266	1.93%	0.228%
52	10.164	2813	2822	2833	rBV3	6077	10500	0.46%	0.054%
53	10.263	2850	2853	2857	rVB2	1227	924	0.04%	0.005%
54	10.350	2877	2880	2882	rBV2	1134	706	0.03%	0.004%
55	10.369	2882	2886	2892	rVV7	1822	1674	0.07%	0.009%
56	10.427	2892	2904	2930	rVV	693314	1145567	49.95%	5.909%
57	10.585	2948	2953	2954	rBV3	4464	2928	0.13%	0.015%
58	10.700	2985	2989	2999	rVV6	2564	3702	0.16%	0.019%
59	10.855	3034	3037	3042	rBV4	1216	666	0.03%	0.003%
60	10.977	3064	3075	3083	rBV9	5351	9884	0.43%	0.051%
61	11.045	3092	3096	3099	rBV2	959	950	0.04%	0.005%
62	11.147	3118	3128	3139	rBV	14519	23423	1.02%	0.121%
63	11.270	3160	3166	3167	rBV3	2521	2199	0.10%	0.011%
64	11.321	3177	3182	3189	rVB2	7812	10645	0.46%	0.055%
65	11.369	3189	3197	3209	rBV4	52071	91048	3.97%	0.470%
66	11.479	3220	3231	3248	rBV	857145	1377478	60.06%	7.105%
67	11.768	3309	3321	3329	rBV8	25748	59992	2.62%	0.309%
68	11.855	3338	3348	3372	rVB	936939	1554272	67.77%	8.017%
69	12.054	3407	3410	3420	rVB3	8595	11737	0.51%	0.061%
70	12.144	3432	3438	3442	rBV2	8247	9292	0.41%	0.048%
71	12.286	3478	3482	3492	rVB8	12326	17538	0.76%	0.090%

LSC Area Percent Report

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Sample : K2299-25
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB705

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\SOMULM040519WMA.M
Title : VOC Analysis

72	12.350	3494	3502	3508	rBV2	25919	38646	1.69%	0.199%
73	12.565	3562	3569	3583	rBV2	59501	91517	3.99%	0.472%
74	12.697	3605	3610	3625	rVB3	20064	37648	1.64%	0.194%
75	12.787	3630	3638	3644	rBV8	14582	22590	0.98%	0.117%
76	12.964	3686	3693	3700	rVB5	15460	20290	0.88%	0.105%
77	13.025	3709	3712	3714	rBV4	3972	2832	0.12%	0.015%
78	13.118	3734	3741	3753	rVB4	49087	75557	3.29%	0.390%
79	13.237	3773	3778	3783	rBV7	5078	6925	0.30%	0.036%
80	13.286	3788	3793	3801	rVB4	18658	26664	1.16%	0.138%
81	13.408	3823	3831	3837	rBV9	9434	16747	0.73%	0.086%
82	13.453	3839	3845	3853	rVB4	15559	23085	1.01%	0.119%
83	13.507	3854	3862	3869	rBV6	28660	45399	1.98%	0.234%
84	13.700	3919	3922	3924	rBV3	3058	2243	0.10%	0.012%
85	13.855	3961	3970	3979	rBV3	33531	54031	2.36%	0.279%
86	13.948	3991	3999	4009	rBV4	30392	51040	2.23%	0.263%
87	14.012	4013	4019	4025	rVB6	11157	14124	0.62%	0.073%
88	14.151	4054	4062	4078	rVB6	18255	35367	1.54%	0.182%
89	14.244	4088	4091	4094	rBV3	2775	2267	0.10%	0.012%
90	14.347	4109	4123	4133	rBV7	43759	99416	4.33%	0.513%
91	14.543	4176	4184	4196	rVB4	22524	43182	1.88%	0.223%
92	14.604	4197	4203	4214	rVB4	9313	12844	0.56%	0.066%
93	14.675	4216	4225	4238	rBV5	43310	81105	3.54%	0.418%
94	14.884	4275	4290	4297	rBV7	38919	103515	4.51%	0.534%
95	15.009	4322	4329	4336	rBV9	10690	14835	0.65%	0.077%
96	15.064	4337	4346	4358	rVV3	34341	67223	2.93%	0.347%
97	15.247	4393	4403	4414	rVB3	11262	24058	1.05%	0.124%
98	15.810	4571	4578	4584	rBV3	8641	16369	0.71%	0.084%
99	15.919	4606	4612	4620	rBV7	13405	24519	1.07%	0.126%
100	16.064	4649	4657	4664	rBV4	32670	56842	2.48%	0.293%

Sum of corrected areas: 19388068

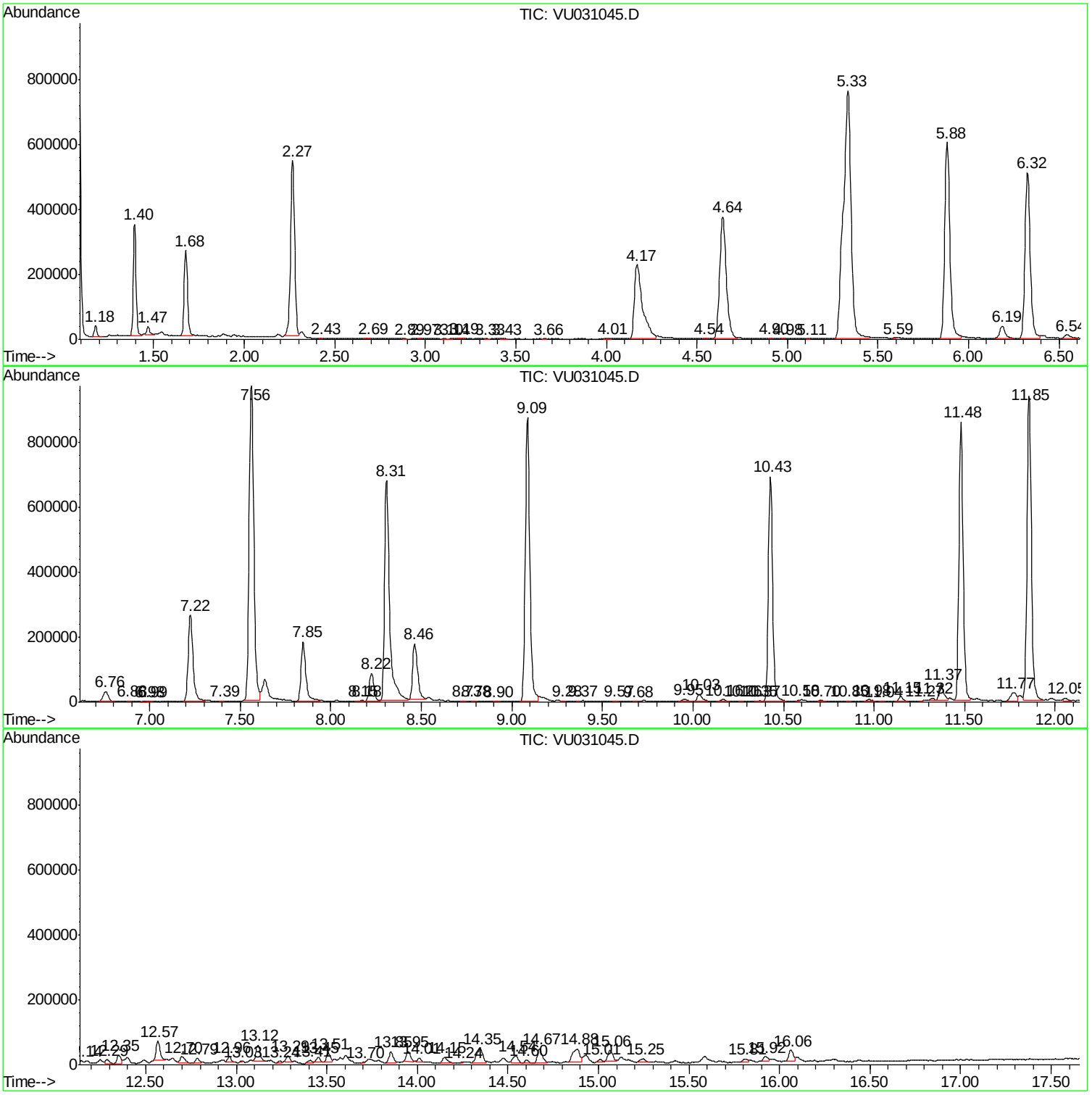
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031045.D
Acq On : 11 Apr 2019 05:46
Operator : JC/SP
Sample : K2299-25
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB705

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
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ClientSampleId : DB705

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

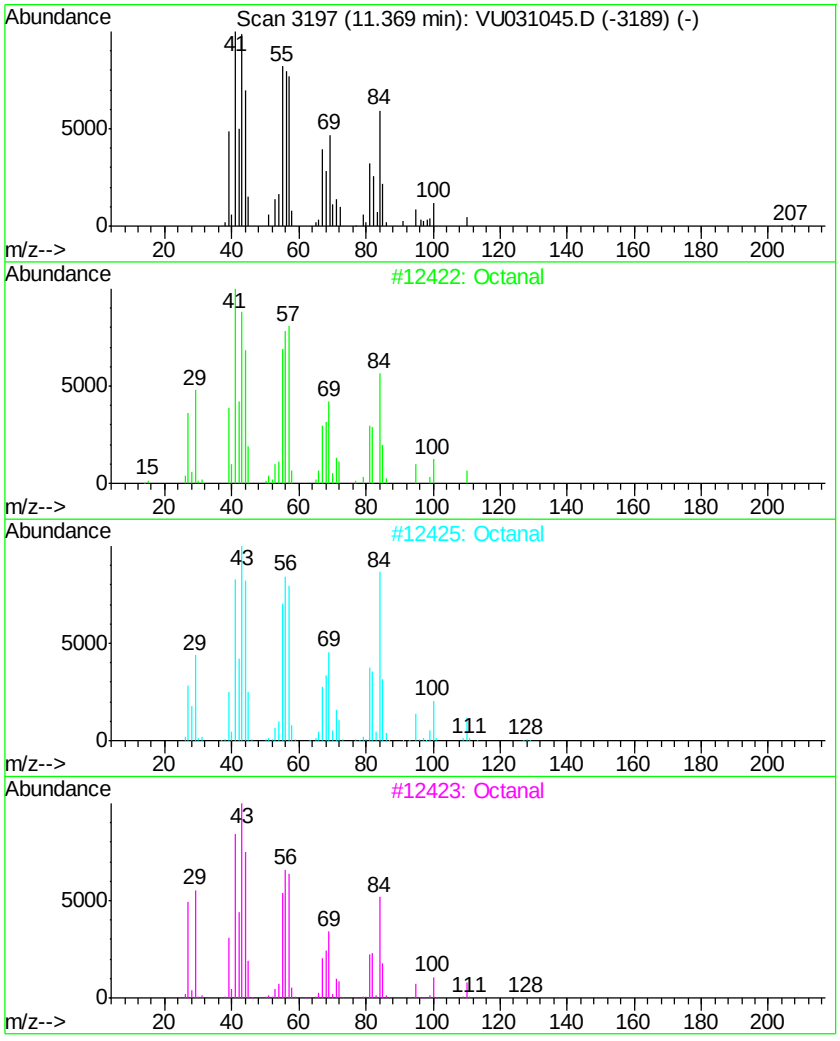
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

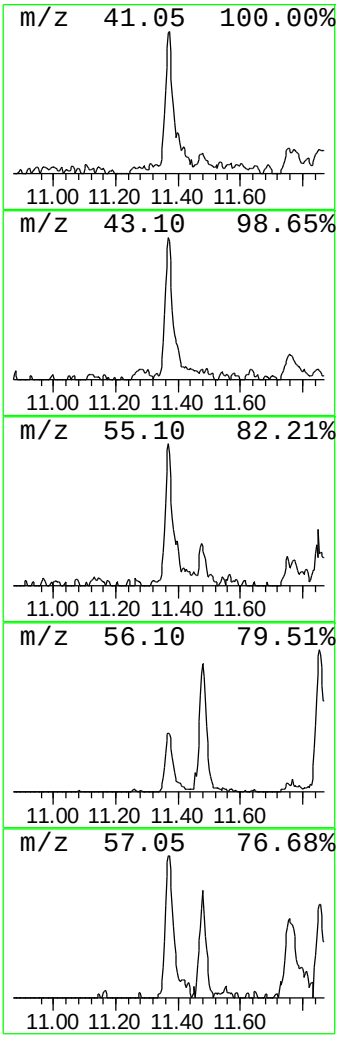
****

Peak Number 2 Octanal Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.37	3.30 ug/L	91048	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	87
2	Octanal	128	C8H16O	000124-13-0	86
3	Octanal	128	C8H16O	000124-13-0	72
4	Octanal	128	C8H16O	000124-13-0	64
5	Octanal	128	C8H16O	000124-13-0	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031045.D
Acq On : 11 Apr 2019 05:46
Operator : JC/SP
Sample : K2299-25
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB705

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

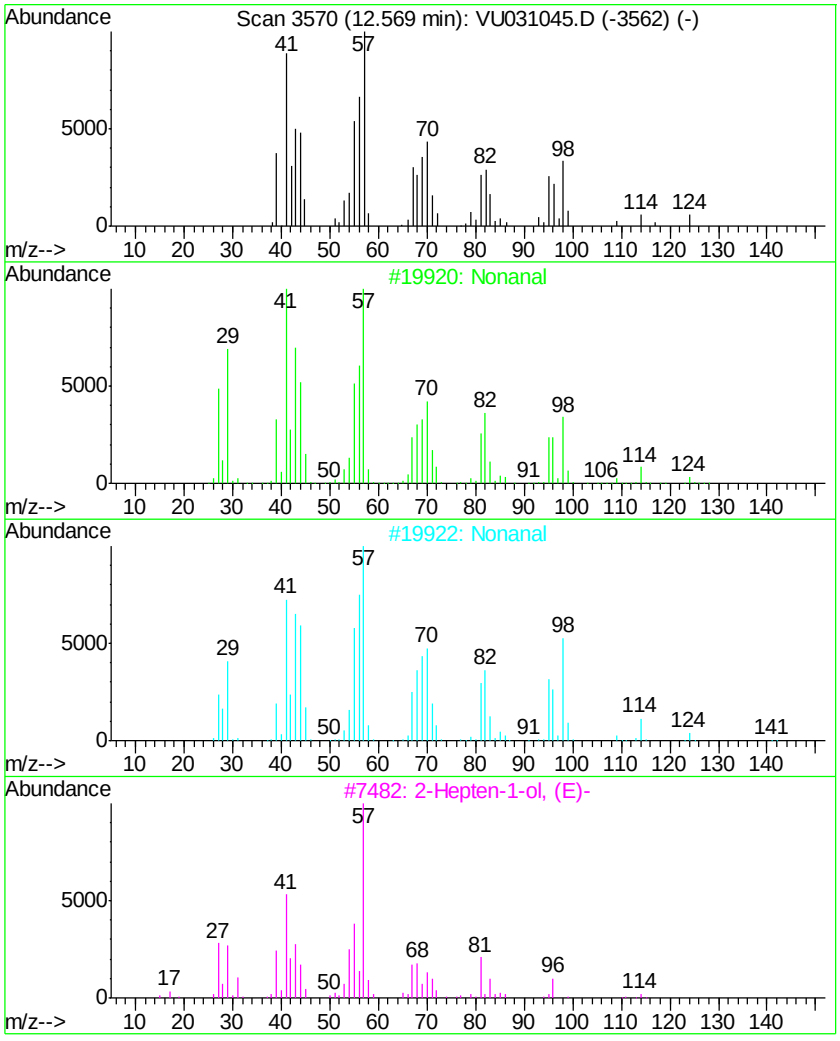
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

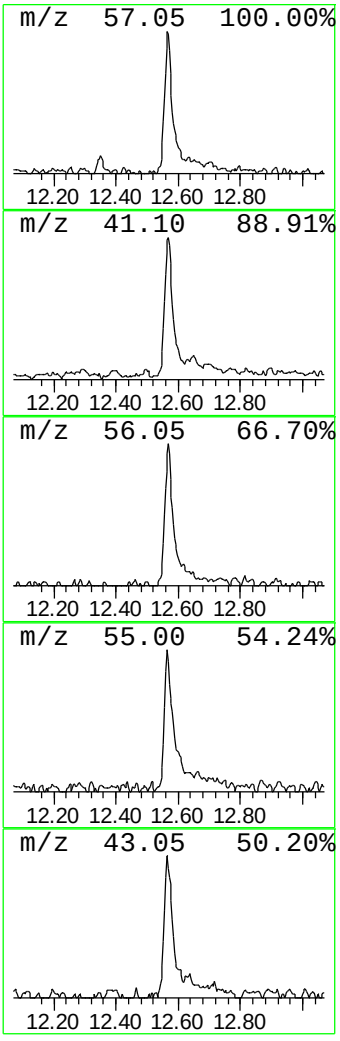
****

Peak Number 3 Nonanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	3.32 ug/L	91517	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	72
2	Nonanal	142	C9H18O	000124-19-6	64
3	2-Hepten-1-ol, (E)-	114	C7H14O	033467-76-4	30
4	Heptane, 4-chloro-	134	C7H15Cl	000998-95-8	27
5	1-Heptanol	116	C7H16O	000111-70-6	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
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ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB705

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

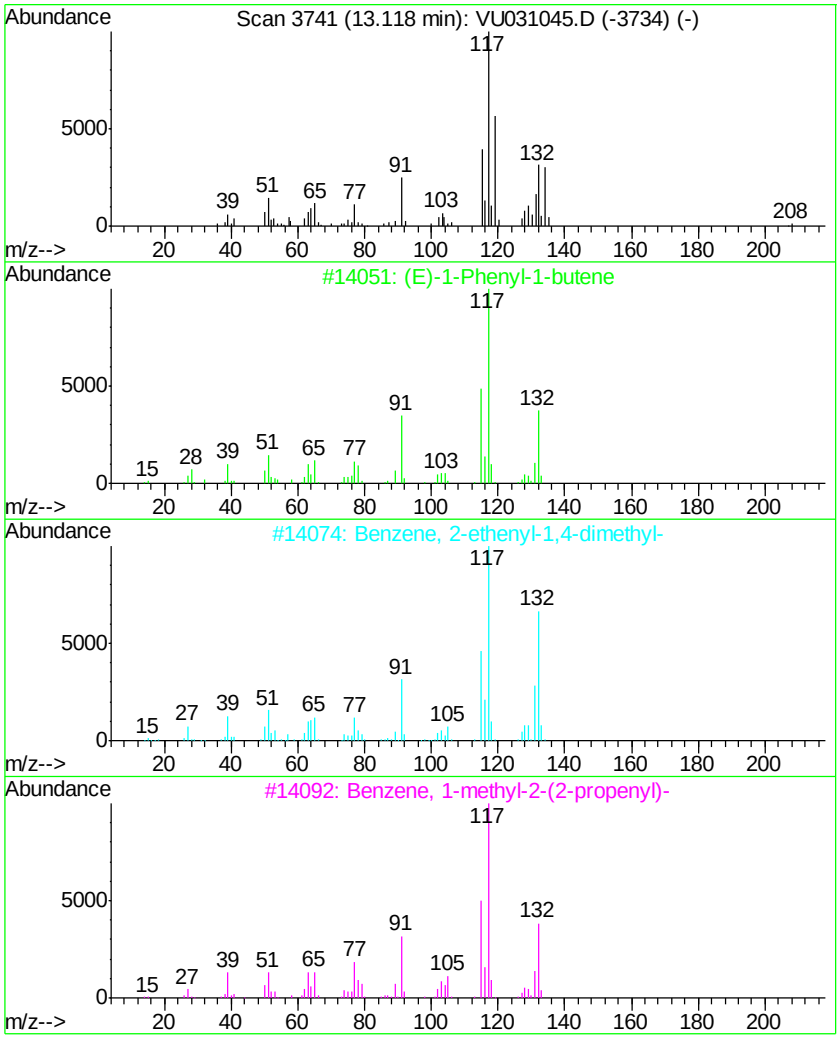
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

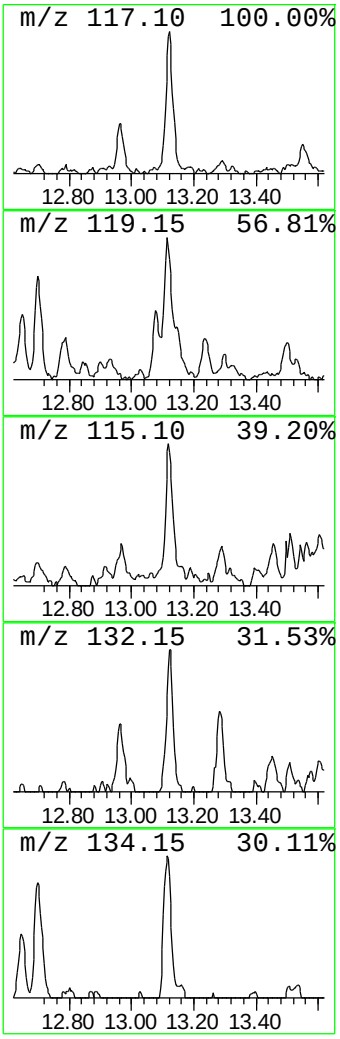
****

Peak Number 4 (E)-1-Phenyl-1-butene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.74 ug/L	75557	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	83
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	70
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	64
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031045.D
Acq On : 11 Apr 2019 05:46
Operator : JC/SP
Sample : K2299-25
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB705

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

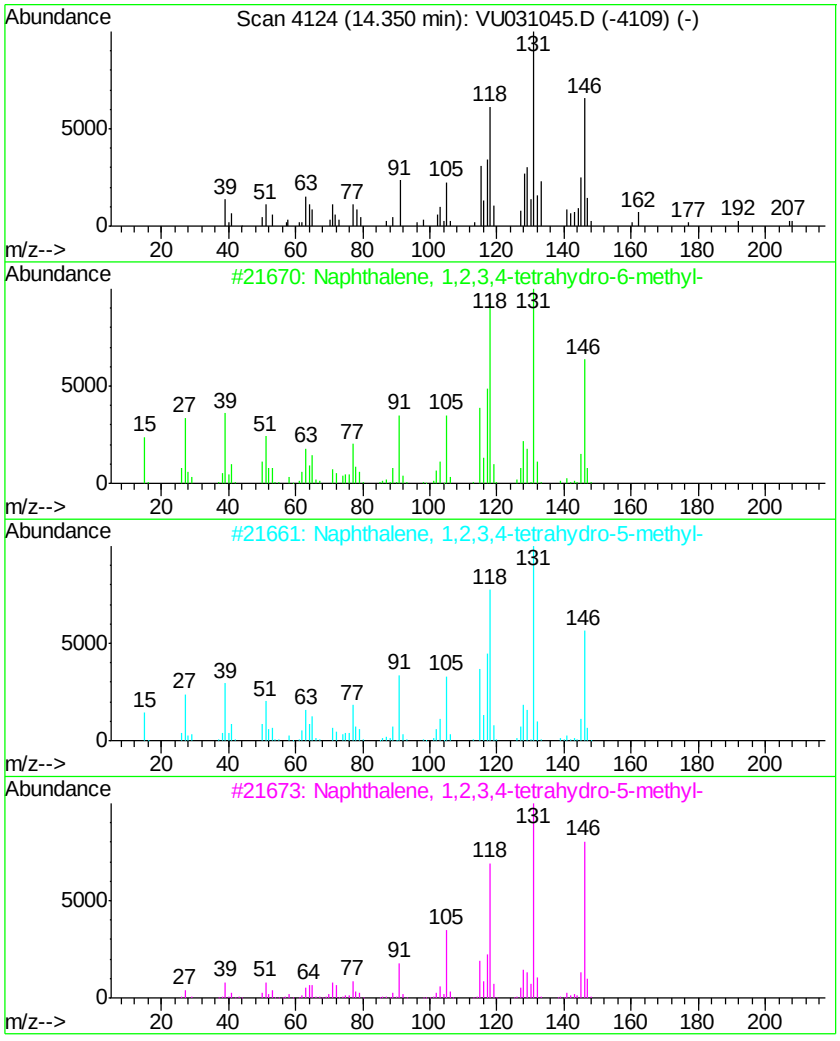
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

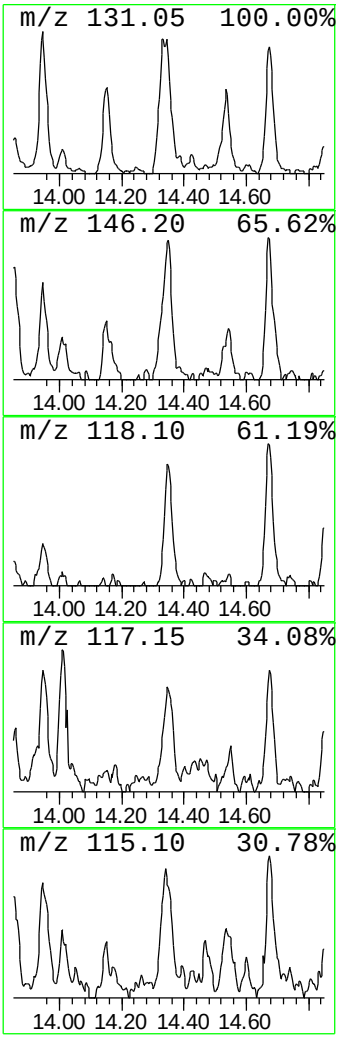
****

Peak Number 5 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	3.61 ug/L	99416	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	81
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	76
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	68
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64





Library Search Compound Report

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Data File : VU031045.D
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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB705

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

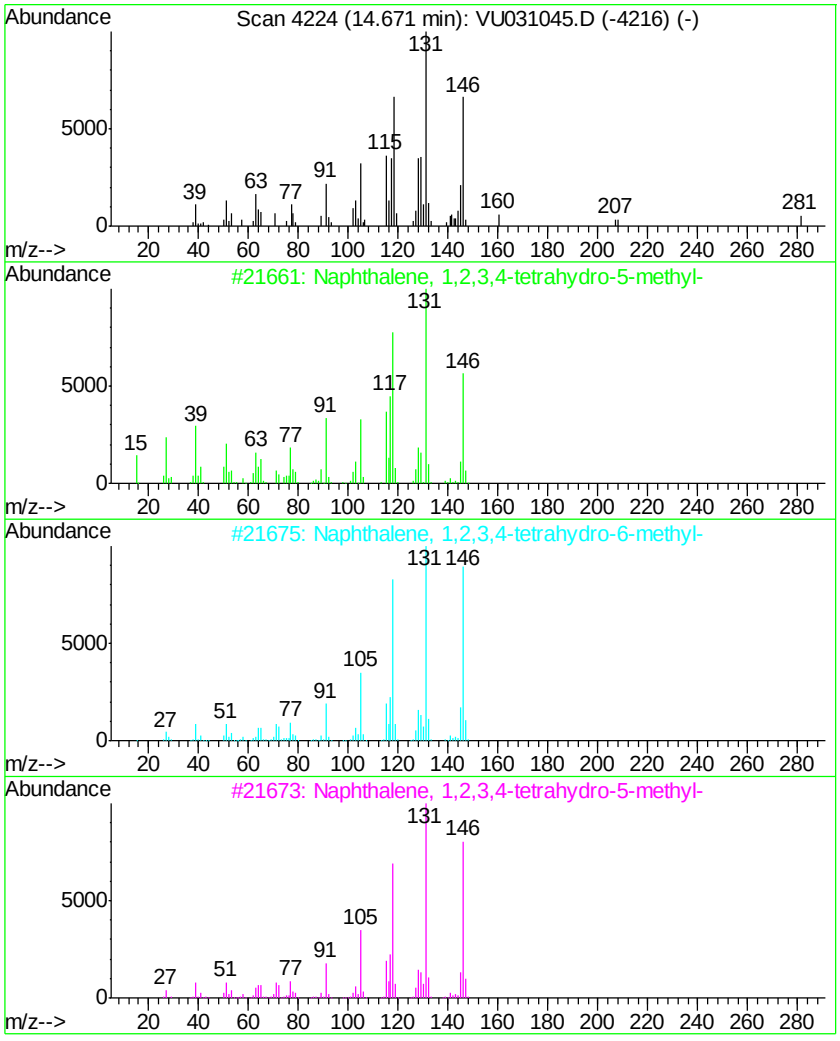
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

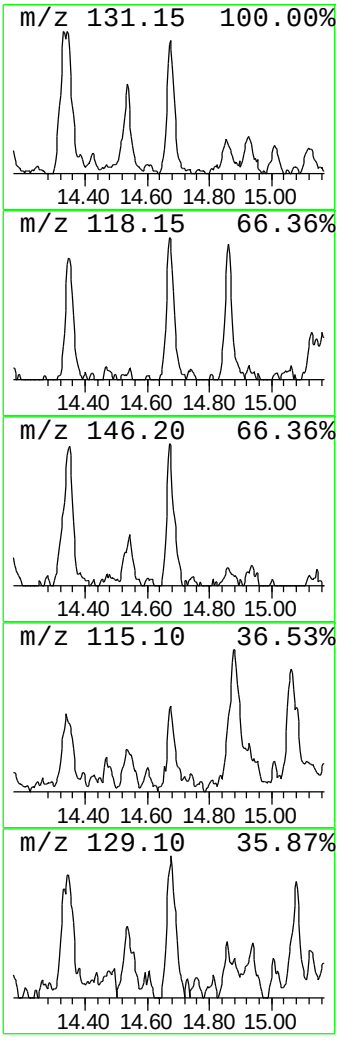
****

Peak Number 6 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	2.94 ug/L	81105	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	81
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	64
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	64
4	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	62





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031045.D
Acq On : 11 Apr 2019 05:46
Operator : JC/SP
Sample : K2299-25
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB705

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

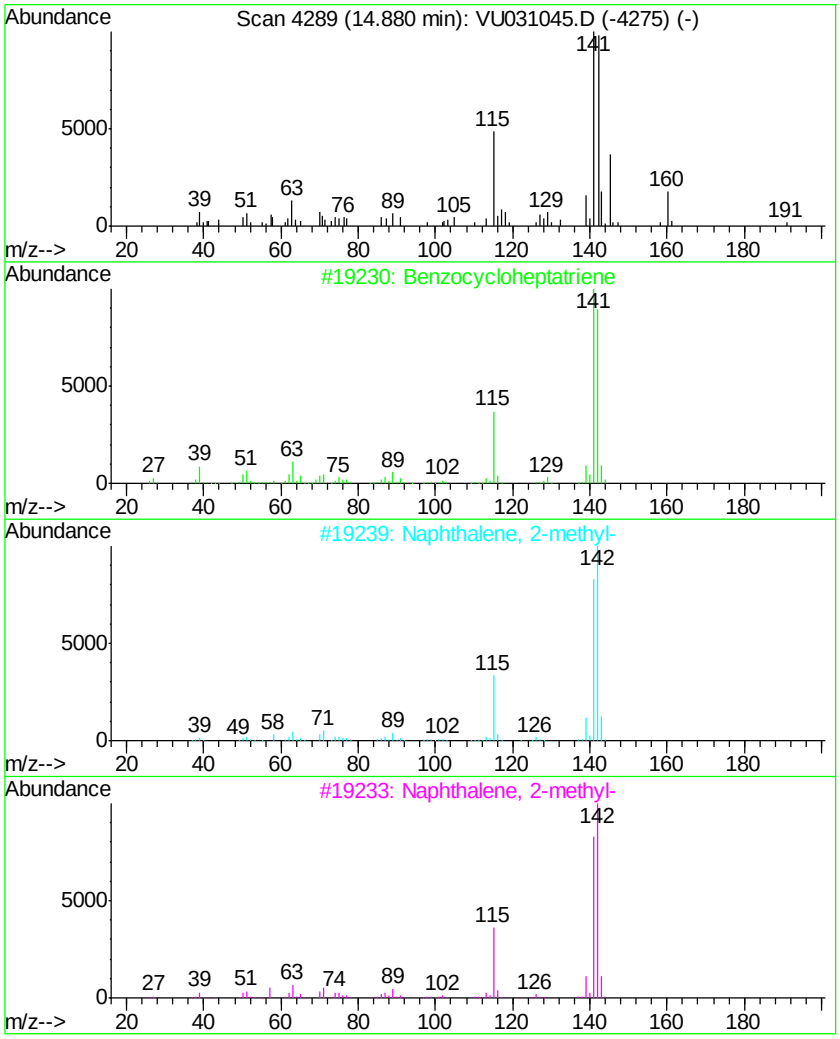
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

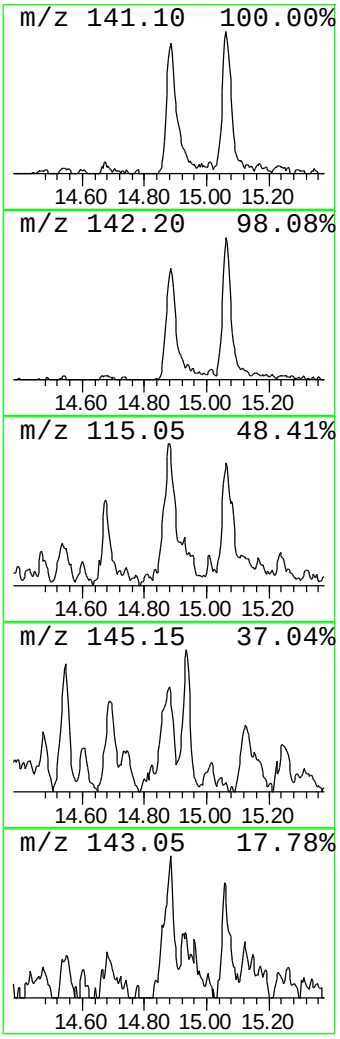
****

Peak Number 7 Benzocycloheptatriene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	3.76 ug/L	103515	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzocycloheptatriene	142	C11H10	000264-09-5	93
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	87
4	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	81
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU041119\
Data File : VU031045.D
Acq On : 11 Apr 2019 05:46
Operator : JC/SP
Sample : K2299-25
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB705

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Octanal	11.37	3.3	ug/L	91048	3	11.48	1377480	50.0
Nonanal	12.57	3.3	ug/L	91517	3	11.48	1377480	50.0
(E)-1-Phenyl-1-bu...	13.12	2.7	ug/L	75557	3	11.48	1377480	50.0
Naphthalene, 1,2,...	14.35	3.6	ug/L	99416	3	11.48	1377480	50.0
Naphthalene, 1,2,...	14.67	2.9	ug/L	81105	3	11.48	1377480	50.0
Benzocycloheptatr...	14.88	3.8	ug/L	103515	3	11.48	1377480	50.0