LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

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\SOMULM021519WMA.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	1.302	59	66	78	rBV	37793	38786	2.29%	0.166%
2	1.399	86	96	107	rBV2	543706	563572	33.25%	2.415%
3	1.556	135	145	146	rBV9	10508	13846	0.82%	0.059%
4	1.675	174	182	195	rVB	187540	238960	14.10%	1.024%
5	1.752	197	206	224	rVB	443719	597436	35.25%	2.560%
6	1.945	256	266	281	rVB2	162910	248933	14.69%	1.067%
7	2.048	291	298	307	rVB2	9368	13087	0.77%	0.056%
8	2.183	329	340	355	rBV	313463	467739	27.60%	2.004%
9	2.270	356	367	379	rBV	382058	592759	34.98%	2.540%
10	2.695	477	499	506	rBV4	40974	116843	6.89%	0.501%
11	2.740	507	513	520	rVV3	87601	162287	9.58%	0.695%
12	2.788	520	528	552	rVB	146857	298533	17.62%	1.279%
13	2.994	573	592	609	rBV	75473	161819	9.55%	0.693%
14	3.190	640	653	663	rBV4	4945	11200	0.66%	0.048%
15	3.302	673	688	709	rBV2	15982	35466	2.09%	0.152%
16	3.553	751	766	784	rBV2	51785	117168	6.91%	0.502%
17	3.656	784	798	812	rVV3	25637	60450	3.57%	0.259%
18	3.730	812	821	834	rVB4	4757	10764	0.64%	0.046%
19	3.891	854	871	887	rVB4	35543	89989	5.31%	0.386%
20	3.990	890	902	914	rVB6	7049	16816	0.99%	0.072%
21	4.090	914	933	948	rBV	165681	442624	26.12%	1.897%
22	4.174	948	959	984	rVB	143665	359277	21.20%	1.540%
23	4.646	1088	1106	1124	rBV	266905	633214	37.36%	2.713%
24	4.778	1134	1147	1164	rVB3	90792	214142	12.64%	0.918%
25	4.990	1196	1213	1228	rBV2	86242	210655	12.43%	0.903%
26	5.077	1228	1240	1261	rVB6	33642	92195	5.44%	0.395%
27	5.215	1266	1283	1299	rBV3	24828	67429	3.98%	0.289%
28	5.338	1299	1321	1328	rBV2	569667	1603046	94.59%	6.869%
29	5.386	1328	1336	1351	rVB	820859	1694728	100.00%	7.262%
30	5.620	1401	1409	1426	rVB7	20588	47633	2.81%	0.204%
31	5.778	1444	1458	1476	rVB8	6740	17514	1.03%	0.075%
32	5.884	1476	1491	1504	rBV	534884	1057730	62.41%	4.533%
33	6.055	1535	1544	1555	rVB7	5988	10741	0.63%	0.046%
34	6.116	1556	1563	1575	rVB5	6471	12778	0.75%	0.055%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

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\SOMULM021519WMA.M
Title : VOC Analysis

35	6.222	1580	1596	1611	rVB4	18472	40463	2.39%	0.173%
36	6.328	1615	1629	1642	rBV	360531	718294	42.38%	3.078%
37	6.411	1643	1655	1670	rVB4	72142	180433	10.65%	0.773%
38	6.637	1714	1725	1739	rVB3	16828	32859	1.94%	0.141%
39	6.826	1770	1784	1785	rBV5	10450	16656	0.98%	0.071%
40	6.923	1799	1814	1829	rVB5	12618	31190	1.84%	0.134%
41	7.064	1835	1858	1868	rBV3	41752	100394	5.92%	0.430%
42	7.116	1869	1874	1890	rVB4	10097	19856	1.17%	0.085%
43	7.225	1895	1908	1923	rBV	220908	399415	23.57%	1.712%
44	7.296	1923	1930	1941	rVV2	17646	33596	1.98%	0.144%
45	7.363	1941	1951	1962	rVV2	49339	90300	5.33%	0.387%
46	7.428	1963	1971	1989	rVB3	30107	61068	3.60%	0.262%
47	7.563	1990	2013	2027	rBV	820181	1452173	85.69%	6.223%
48	7.633	2027	2035	2049	rVV	91071	171553	10.12%	0.735%
49	7.714	2050	2060	2088	rVB2	58904	123790	7.30%	0.530%
50	7.845	2089	2101	2118	rBV	152624	262741	15.50%	1.126%
51	8.045	2154	2163	2171	rBV6	6606	10130	0.60%	0.043%
52	8.090	2171	2177	2194	rVB2	9885	16789	0.99%	0.072%
53	8.309	2230	2245	2264	rBV	454957	806828	47.61%	3.457%
54	8.498	2297	2304	2313	rVB6	10423	17670	1.04%	0.076%
55	9.022	2453	2467	2476	rBV3	54773	100438	5.93%	0.430%
56	9.087	2476	2487	2504	rVV	792555	1339705	79.05%	5.741%
57	9.167	2505	2512	2527	rVB2	57045	100557	5.93%	0.431%
58	9.247	2527	2537	2562	rVB	125397	231677	13.67%	0.993%
59	9.373	2564	2576	2588	rBV	155943	264325	15.60%	1.133%
60	9.495	2606	2614	2623	rVB9	5311	9252	0.55%	0.040%
61	9.778	2693	2702	2716	rVB2	8875	15078	0.89%	0.065%
62	9.942	2742	2753	2766	rBV2	14889	29866	1.76%	0.128%
63	10.077	2779	2795	2803	rVV2	5772	13754	0.81%	0.059%
64	10.164	2803	2822	2833	rVV	43334	75198	4.44%	0.322%
65	10.427	2886	2904	2929	rVV	584129	1004081	59.25%	4.303%
66	10.540	2929	2939	2945	rVV3	34331	56221	3.32%	0.241%
67	10.585	2945	2953	2969	rVV	110075	184265	10.87%	0.790%
68	10.685	2976	2984	2995	rVV8	5406	11106	0.66%	0.048%
69	10.771	3005	3011	3026	rVB4	8637	15369	0.91%	0.066%
70	10.968	3060	3072	3086	rBV	63822	103371	6.10%	0.443%
71	11.148	3116	3128	3138	rBV2	9824	15581	0.92%	0.067%

LSC Area Percent Report

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Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

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\SOMULM021519WMA.M
Title : VOC Analysis

72	11.205	3138	3146	3158	rVB2	9824	16242	0.96%	0.070%
73	11.318	3164	3181	3193	rBV7	25078	57032	3.37%	0.244%
74	11.482	3219	3232	3250	rBV	835490	1334371	78.74%	5.718%
75	11.572	3250	3260	3279	rVV5	38912	118281	6.98%	0.507%
76	11.662	3281	3288	3306	rVB4	13722	29531	1.74%	0.127%
77	11.765	3307	3320	3337	rBV	367300	634300	37.43%	2.718%
78	11.858	3337	3349	3371	rVB	842600	1393282	82.21%	5.971%
79	11.977	3378	3386	3400	rVB2	12298	18835	1.11%	0.081%
80	12.054	3400	3410	3421	rVB2	25867	40480	2.39%	0.173%
81	12.141	3424	3437	3449	rVB6	4308	10351	0.61%	0.044%
82	12.247	3457	3470	3478	rBV	89941	143791	8.48%	0.616%
83	12.353	3491	3503	3524	rVB	79083	141311	8.34%	0.606%
84	12.614	3573	3584	3590	rBV	94794	155590	9.18%	0.667%
85	12.646	3590	3594	3604	rVV	48349	69797	4.12%	0.299%
86	12.784	3630	3637	3646	rBV8	5245	8482	0.50%	0.036%
87	12.961	3683	3692	3704	rVB	50273	75624	4.46%	0.324%
88	13.122	3732	3742	3752	rVV2	119629	190213	11.22%	0.815%
89	13.186	3752	3762	3774	rVV2	40113	72390	4.27%	0.310%
90	13.292	3787	3795	3805	rVB10	6236	11044	0.65%	0.047%
91	13.392	3814	3826	3838	rBV2	121454	210505	12.42%	0.902%
92	13.453	3838	3845	3855	rVV3	13241	22676	1.34%	0.097%
93	13.508	3855	3862	3871	rVB4	14946	22428	1.32%	0.096%
94	13.578	3877	3884	3888	rBV3	6031	8476	0.50%	0.036%
95	13.607	3888	3893	3901	rVB2	10829	13267	0.78%	0.057%
96	13.749	3926	3937	3945	rBV2	6671	12548	0.74%	0.054%
97	13.951	3985	4000	4008	rVV2	5059	11980	0.71%	0.051%
98	14.016	4011	4020	4029	rVV5	6357	11597	0.68%	0.050%
99	14.154	4053	4063	4074	rBV3	7747	13806	0.81%	0.059%
100	14.337	4110	4120	4135	rBV4	5264	11276	0.67%	0.048%

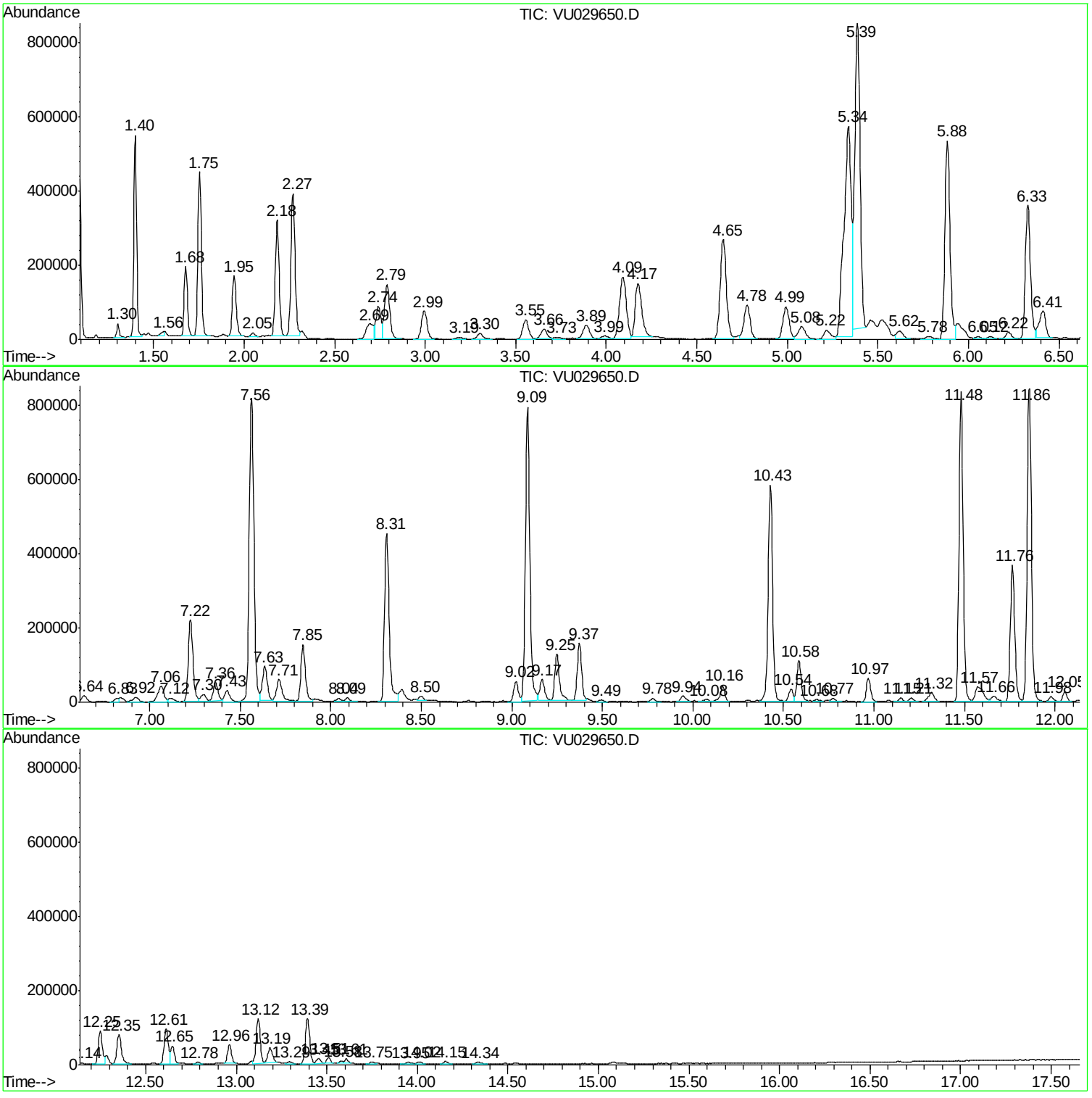
Sum of corrected areas: 23335707

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

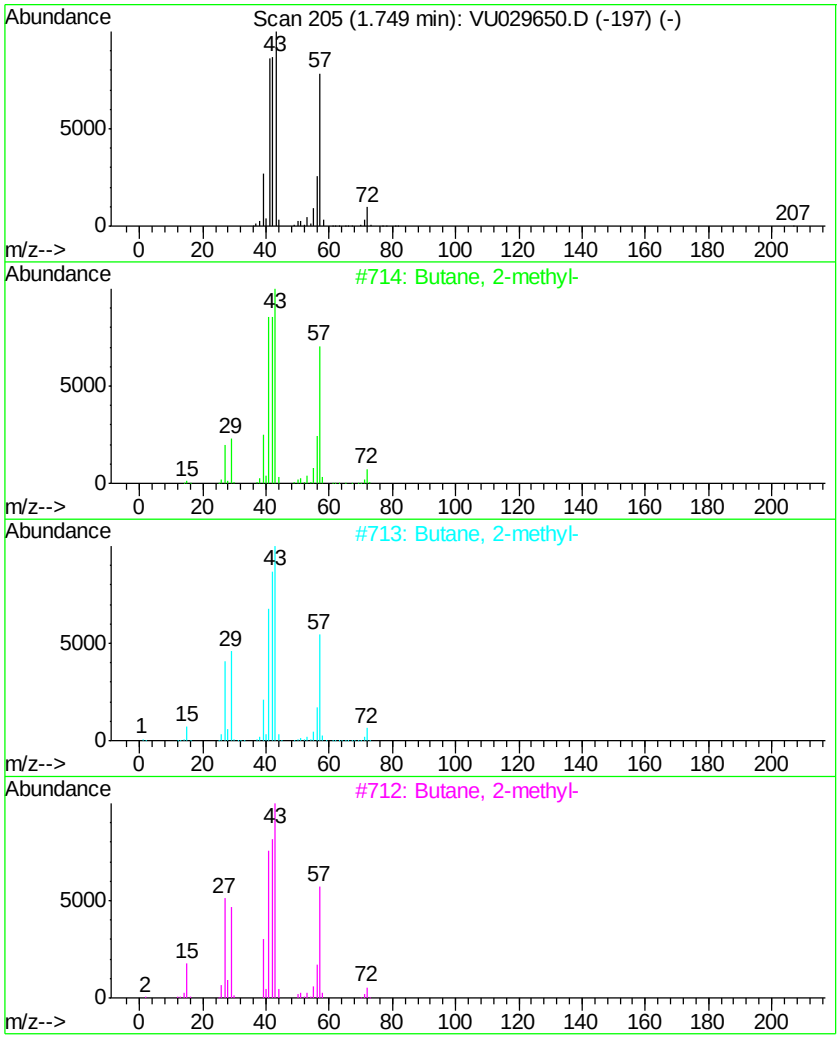
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

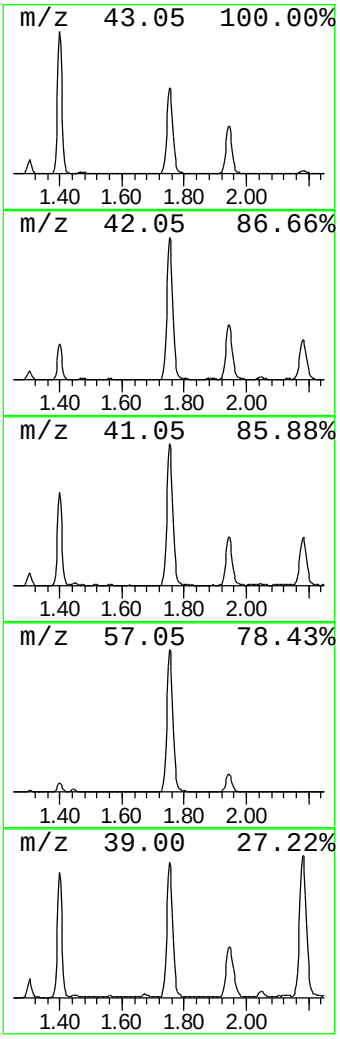
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	28.24 ug/L	597436	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	80
4	Pentane	72	C5H12	000109-66-0	43
5	3-Buten-1-ol	72	C4H8O	000627-27-0	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

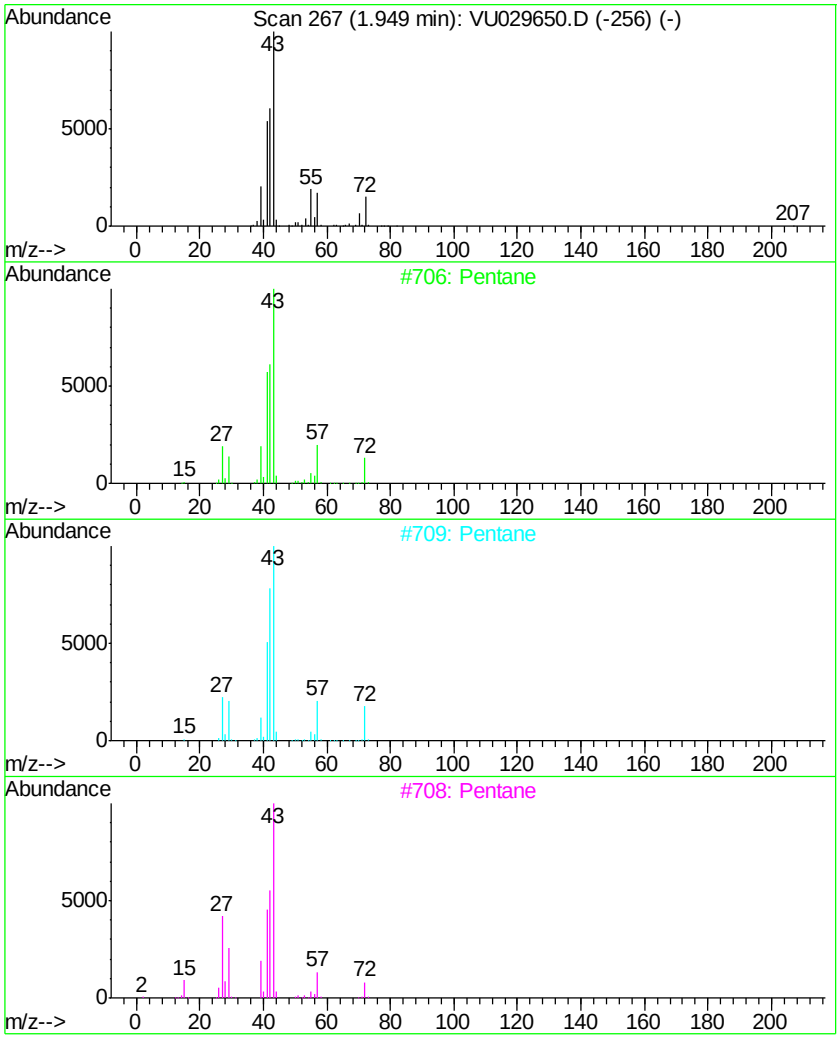
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

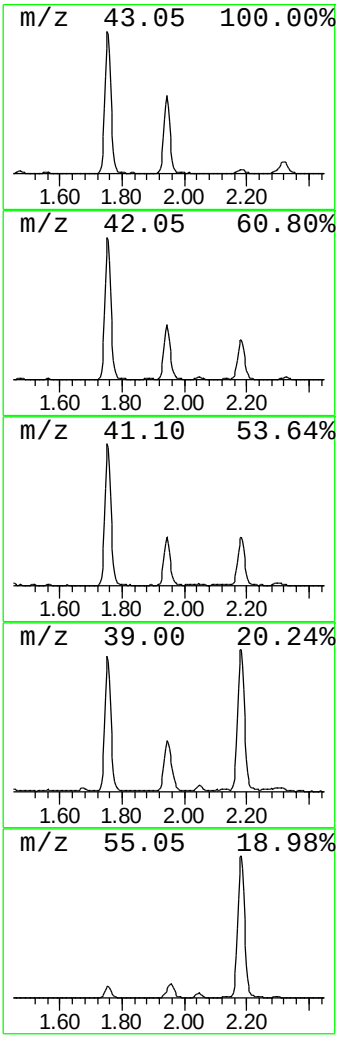
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	11.77 ug/L	248933	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	80
4	Pentane	72	C5H12	000109-66-0	80
5	Butane, 2-methyl-	72	C5H12	000078-78-4	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

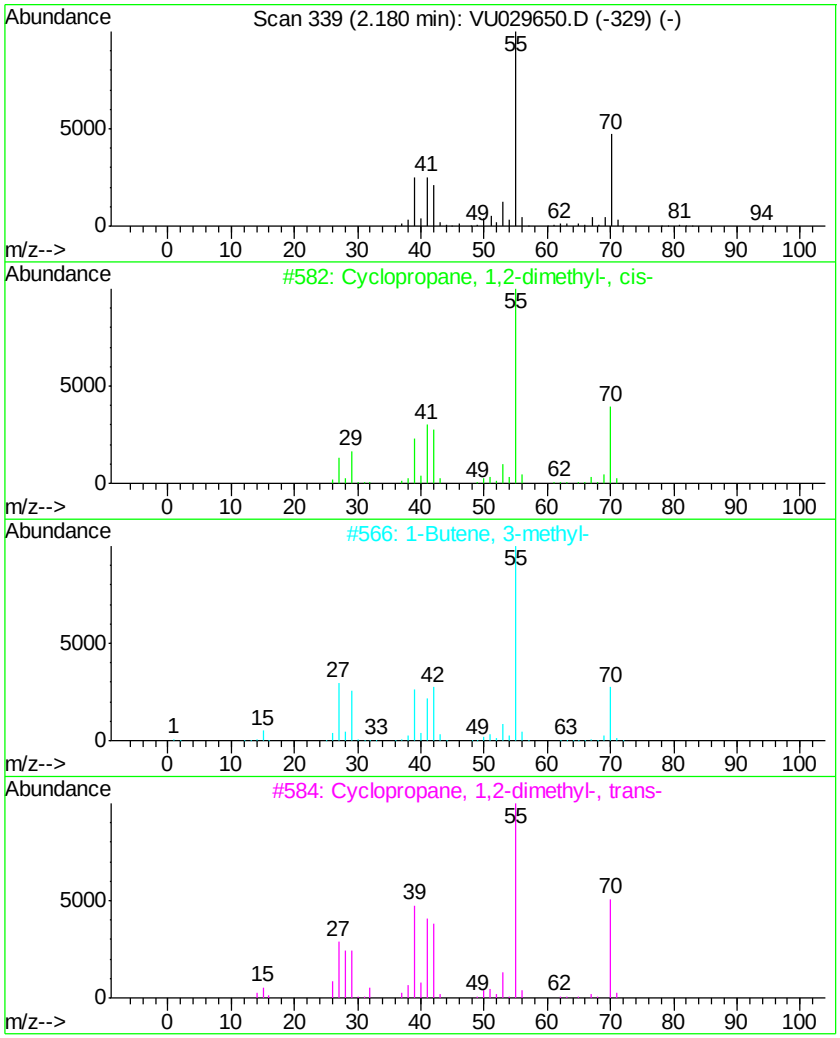
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

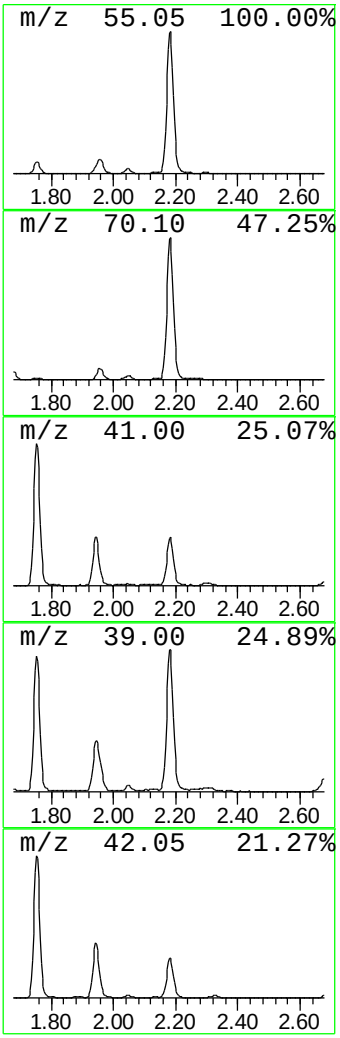
****

Peak Number 3 (DEL) Alkane: Cyclic2.18 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	22.11 ug/L	467739	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
2	1-Butene, 3-methyl-	70	C5H10	000563-45-1	86
3	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	80
4	1-Butene, 3-methyl-	70	C5H10	000563-45-1	80
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

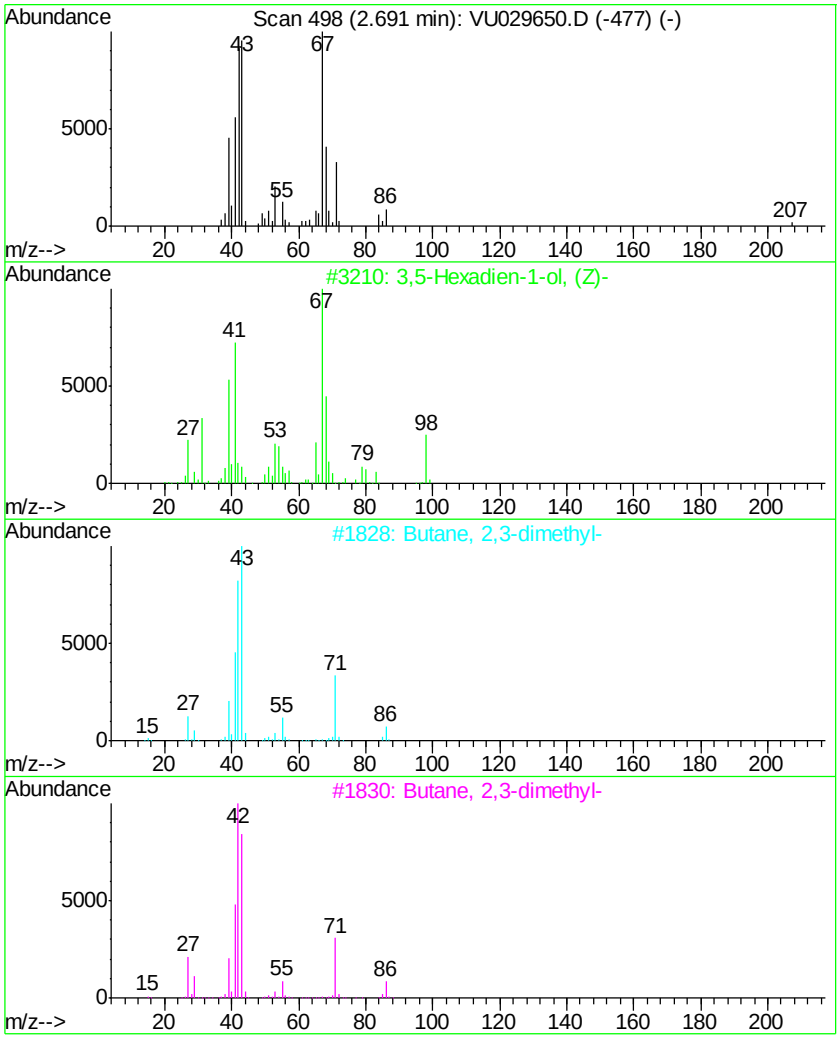
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

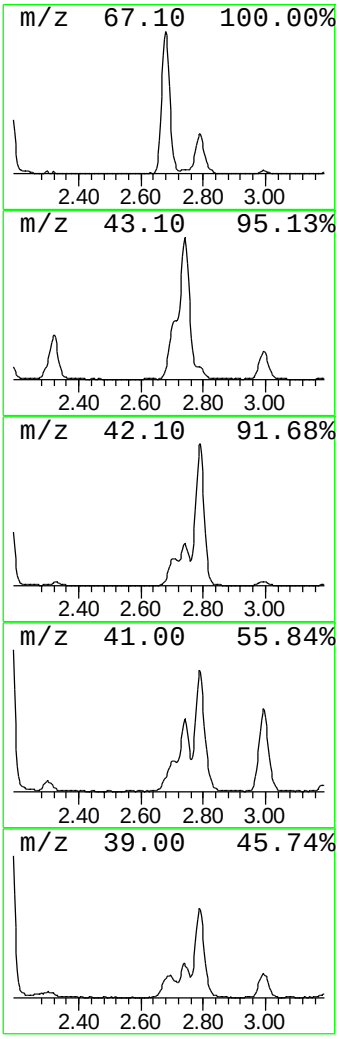
****

Peak Number 4 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.69	5.52 ug/L	116843	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Hexadien-1-ol, (Z)-	98	C6H10O	002196-20-5	38
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	38
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	38
4	Cyclopropane, methylmethylene-	68	C5H8	018631-84-0	35
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

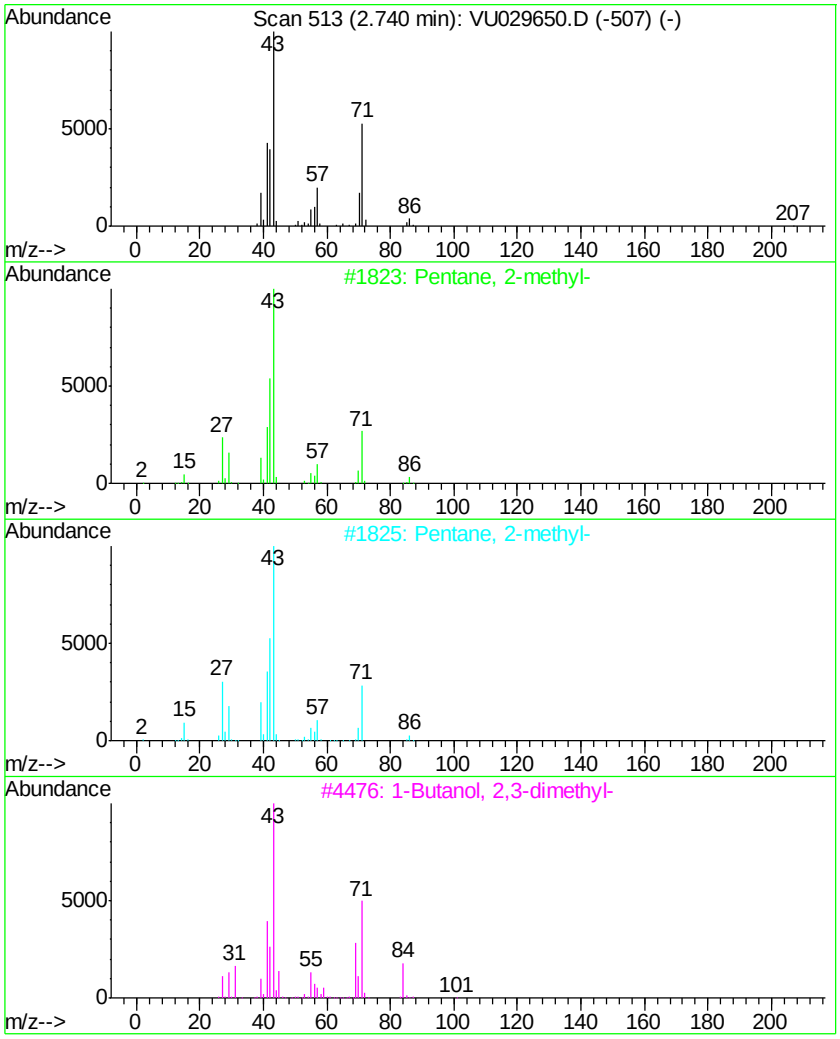
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

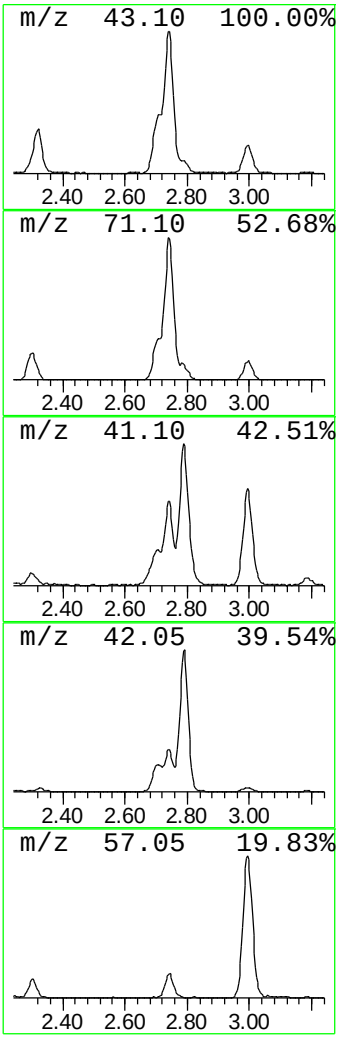
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.74	7.67 ug/L	162287	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	74
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	53
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	45
4	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	38
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

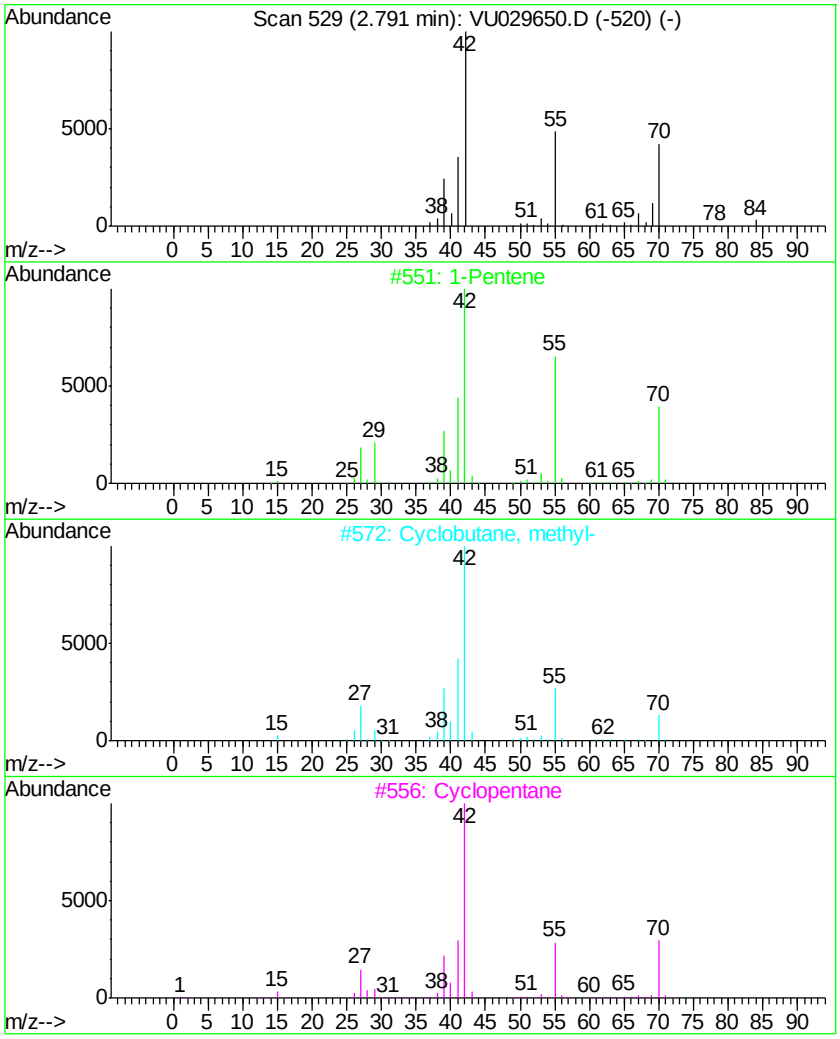
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

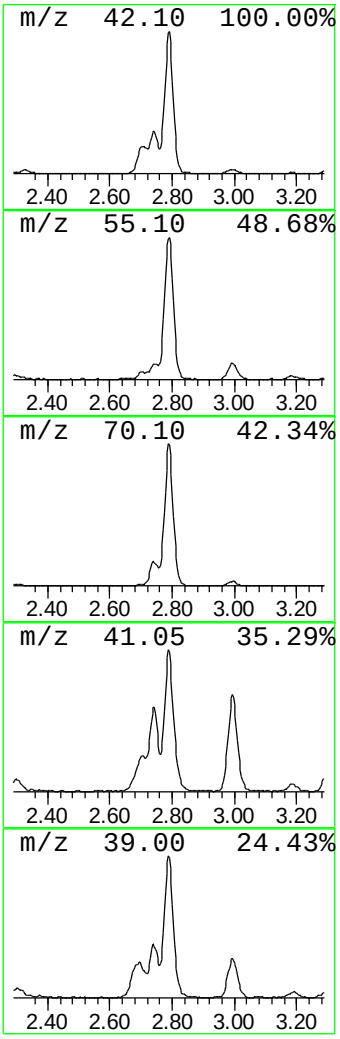
****

Peak Number 6 (DEL) Alkane: Cyclic2.79 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	14.11 ug/L	298533	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	80
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	80
3	Cyclopentane	70	C5H10	000287-92-3	72
4	Cyclobutane, methyl-	70	C5H10	000598-61-8	64
5	Cyclopentane	70	C5H10	000287-92-3	56





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Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

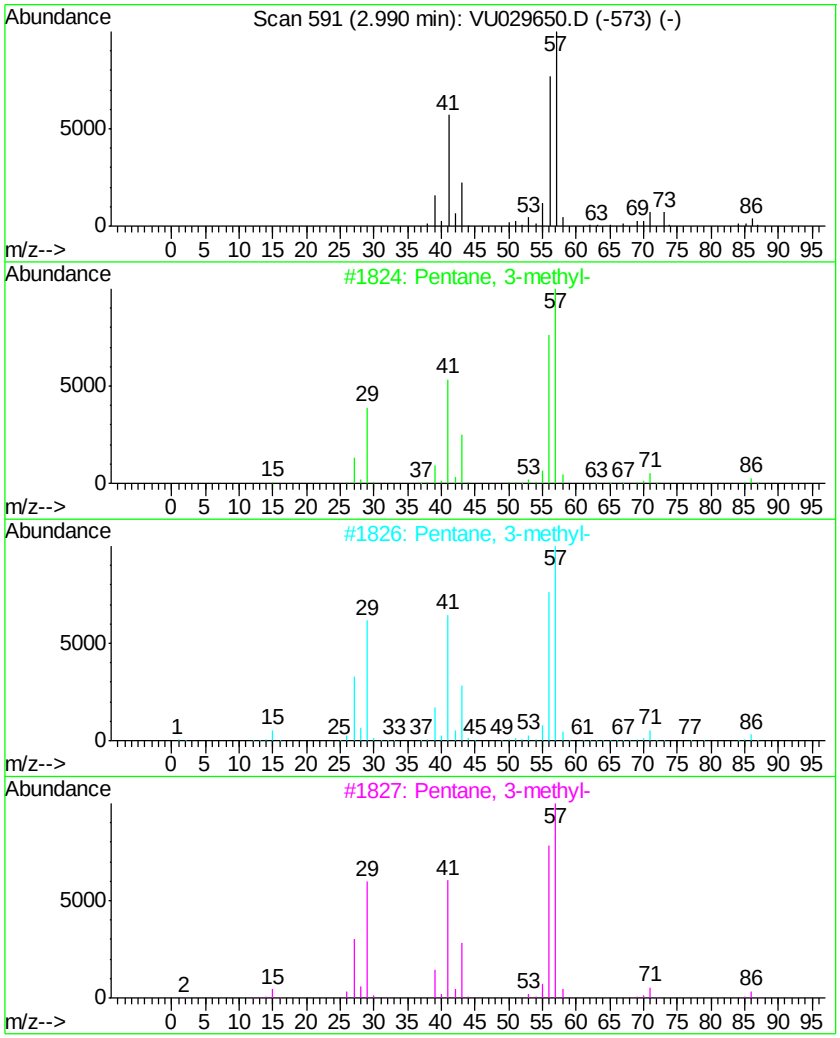
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

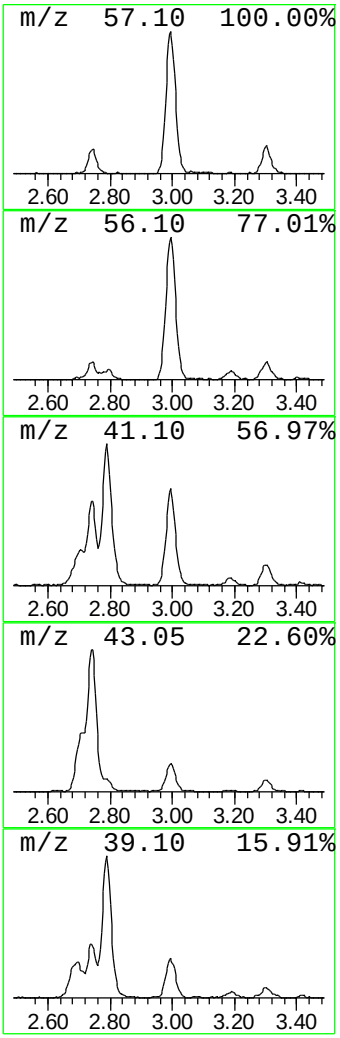
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	7.65 ug/L	161819	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	72





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Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

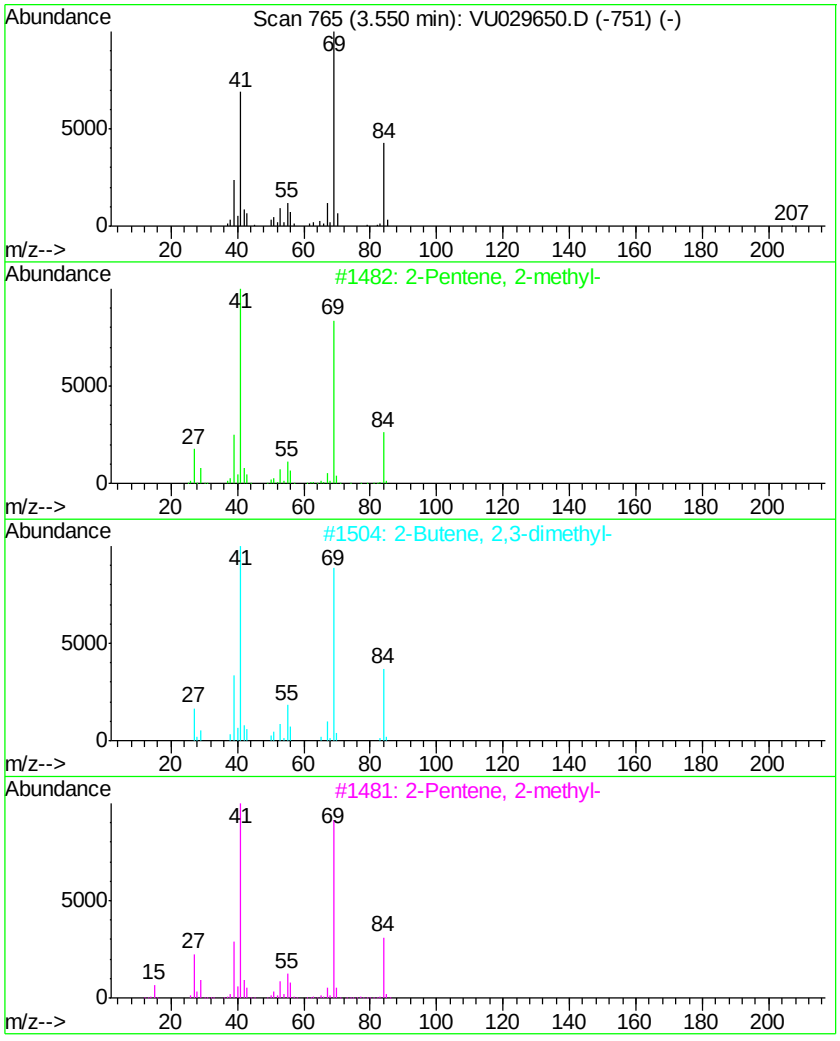
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

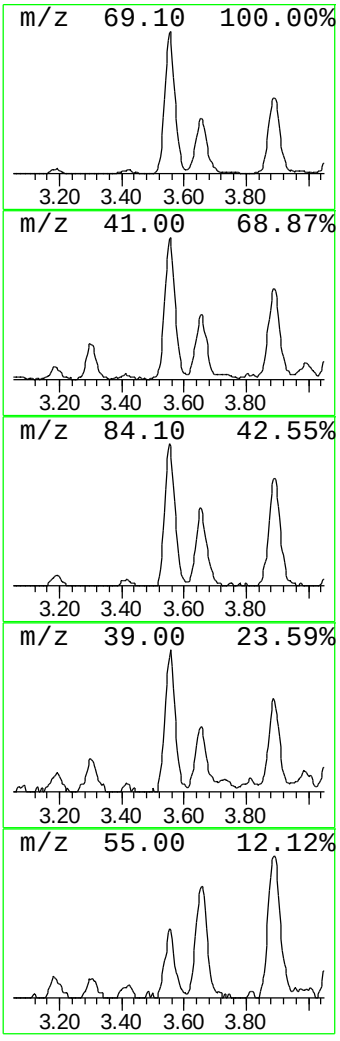
****

Peak Number 8 (DEL) Alkane: Cyclic3.55 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.55	5.54 ug/L	117168	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	91
2	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91
3	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	91
4	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	91
5	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	91





Library Search Compound Report

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Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

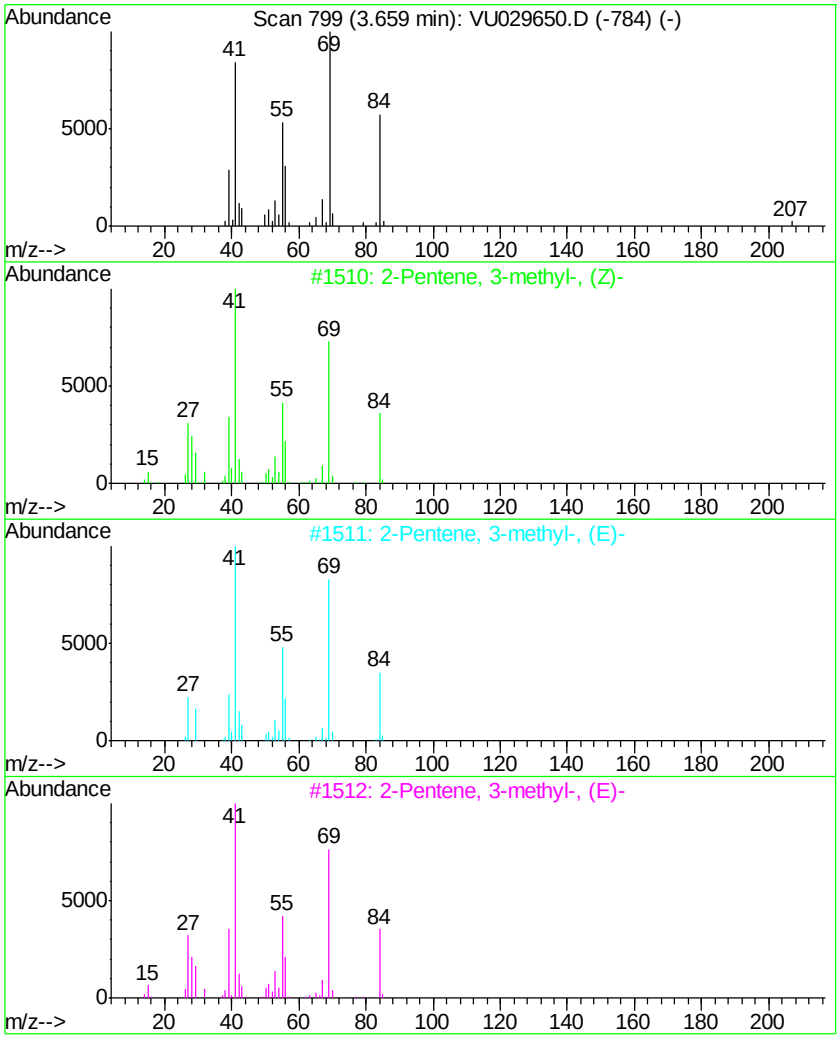
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

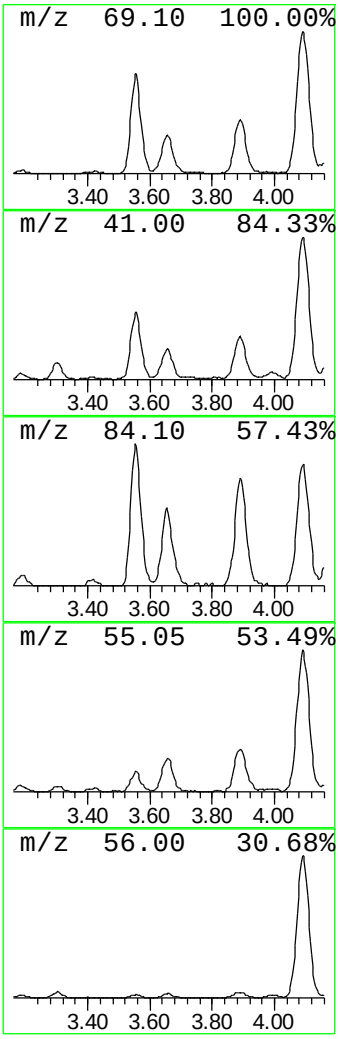
****

Peak Number 9 (DEL) Alkane: Cyclic3.66 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.66	2.86 ug/L	60450	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	95
2	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
3	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91





Library Search Compound Report

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Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

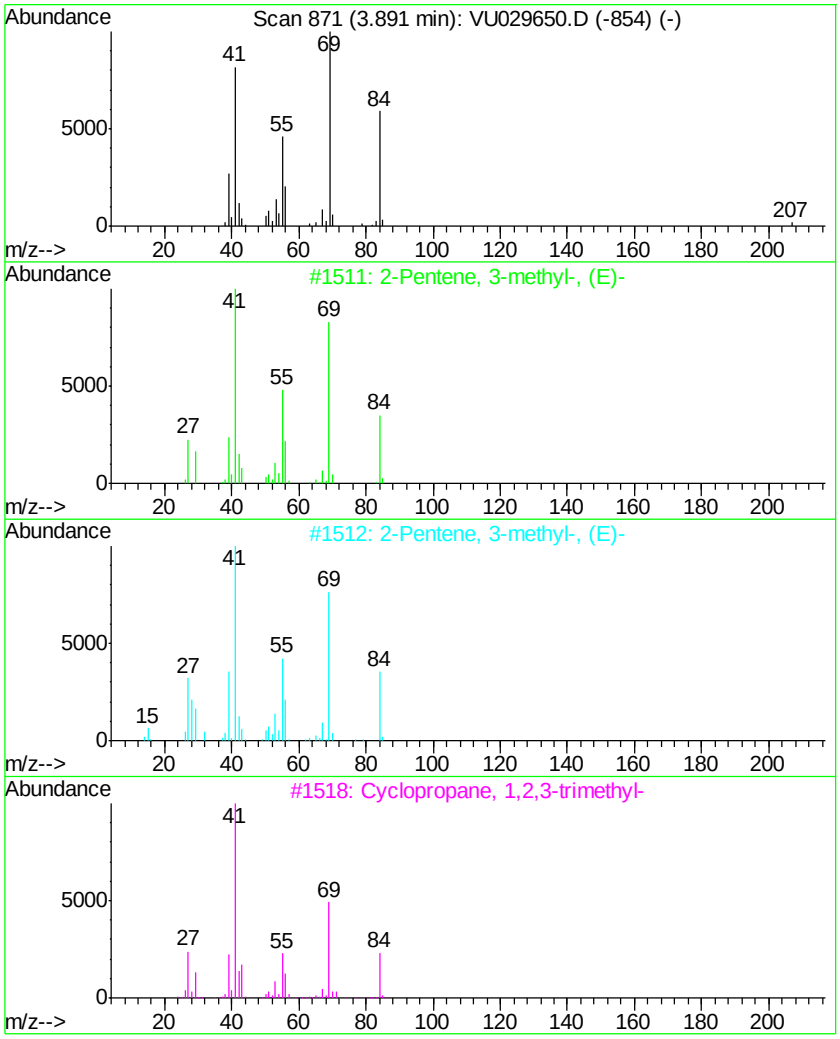
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

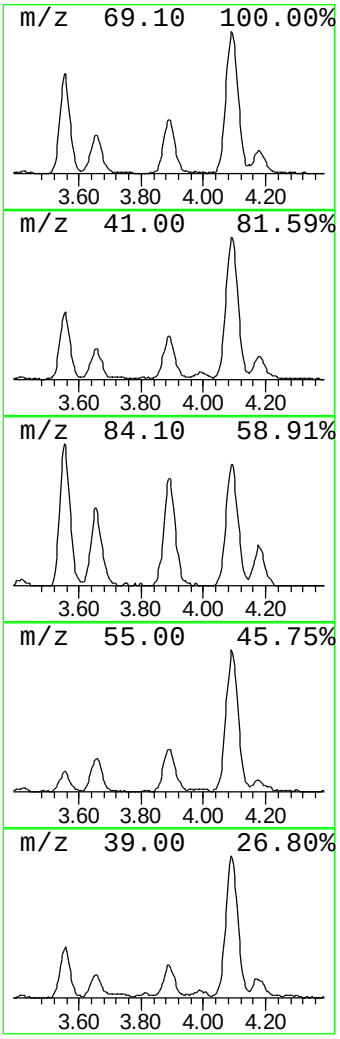
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic3.89 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.89	4.25 ug/L	89989	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
2	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
3	Cyclopropane, 1,2,3-trimethyl-	84	C6H12	042984-19-0	91
4	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91





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Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

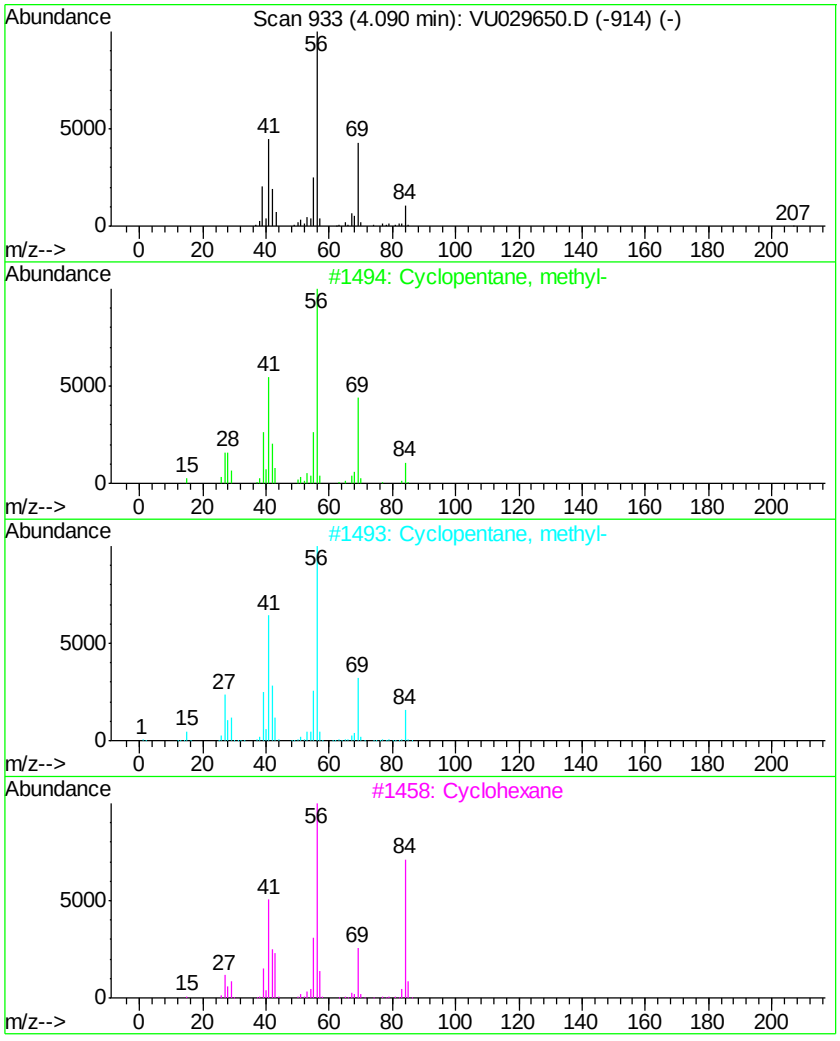
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

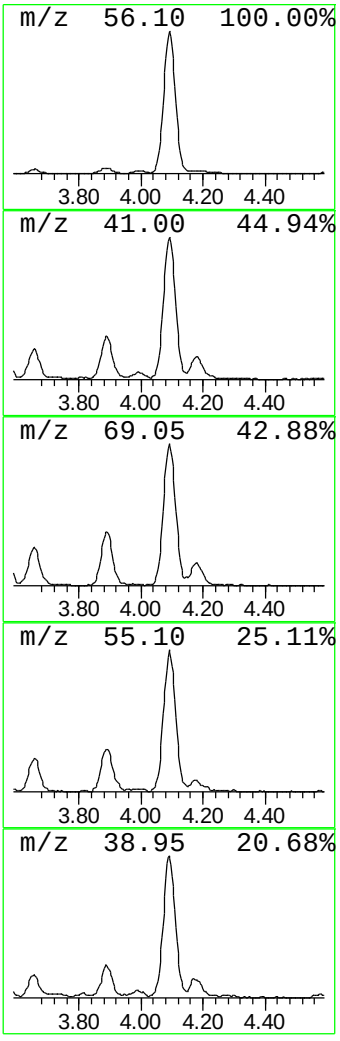
****

Peak Number 11 (DEL) Alkane: Cyclic4.09 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	20.92 ug/L	442624	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
3	Cyclohexane	84	C6H12	000110-82-7	78
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

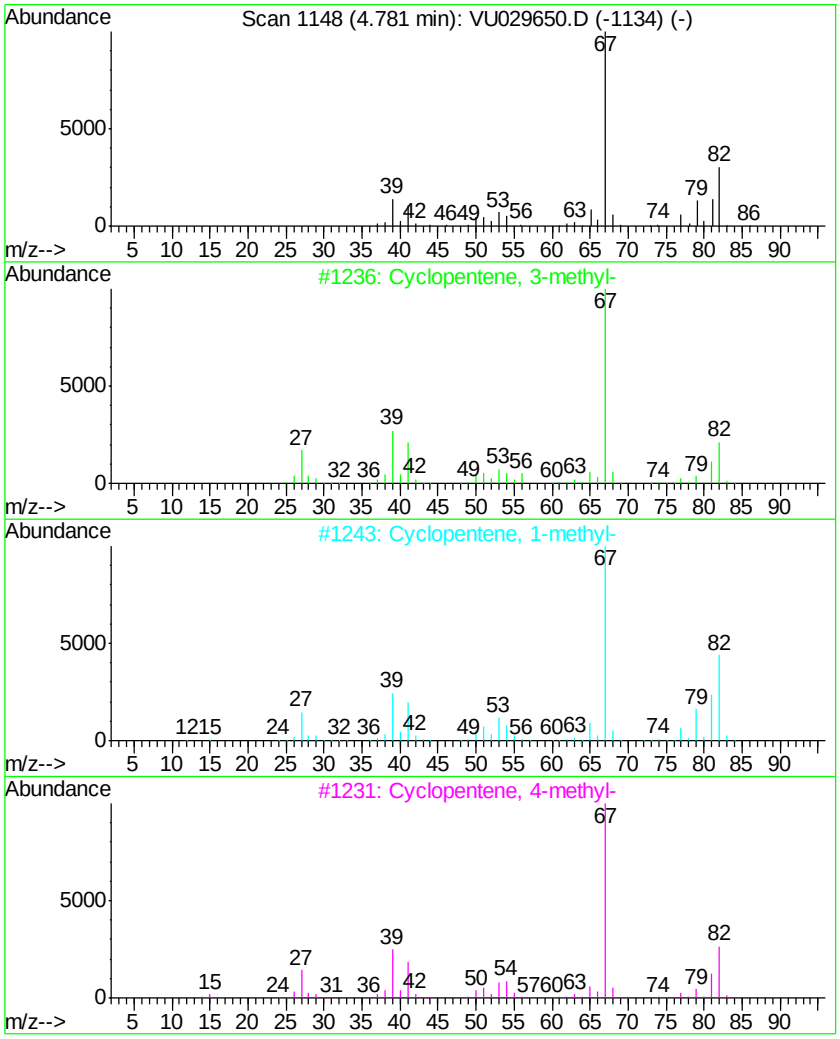
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

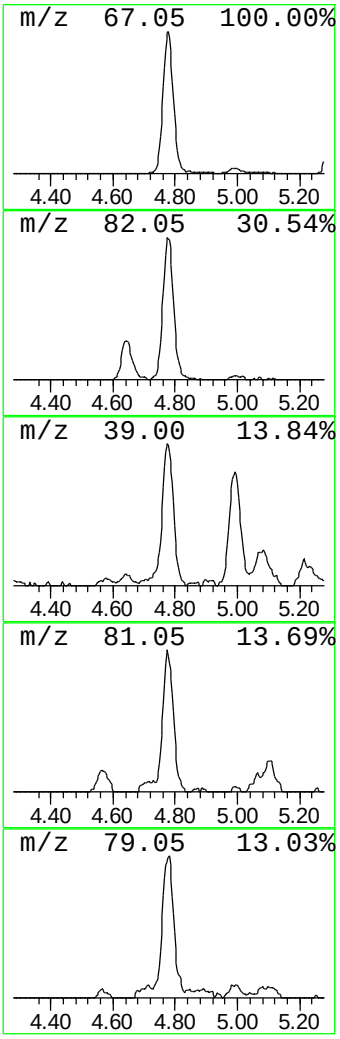
****

Peak Number 12 Cyclopentene, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	10.12 ug/L	214142	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	87
2	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
3	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	87
4	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
5	1,4-Pentadiene, 3-methyl-	82	C6H10	001115-08-8	80





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Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

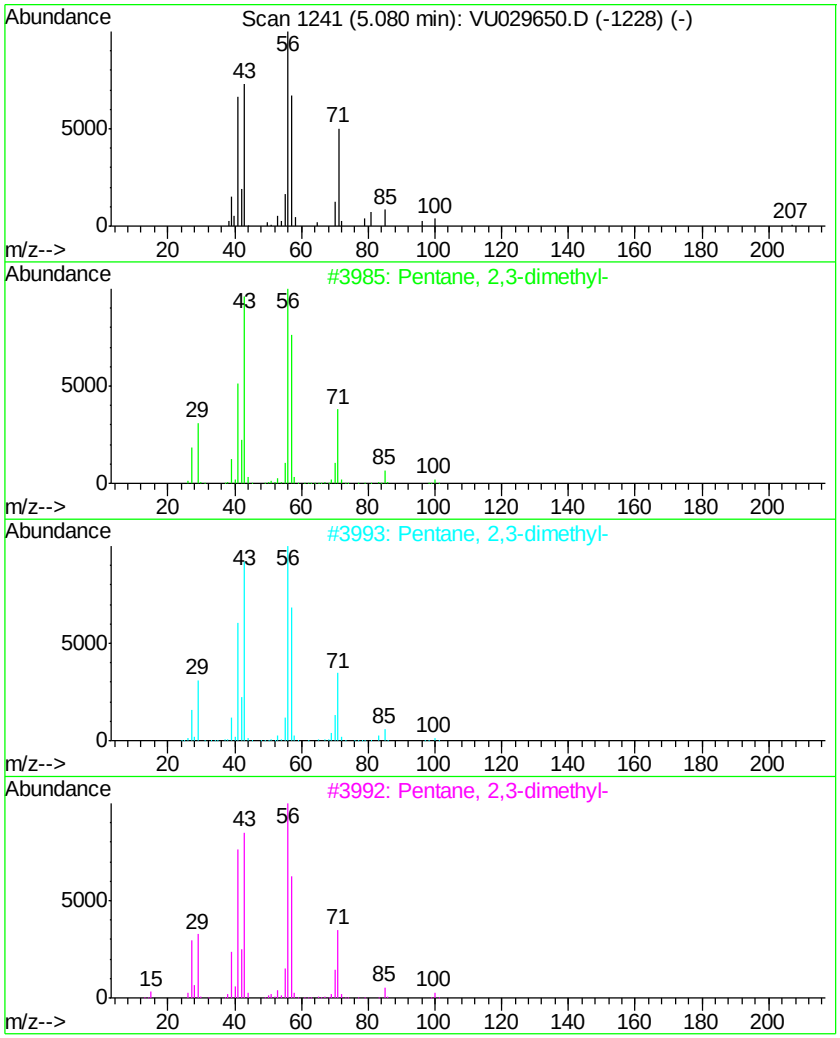
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

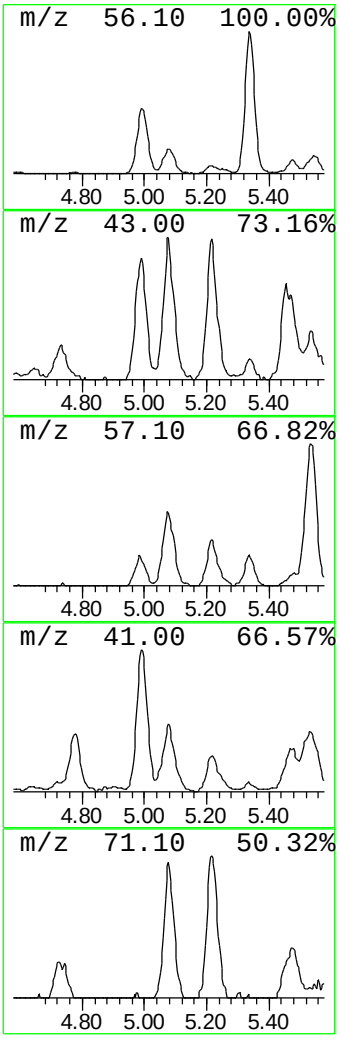
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	4.36 ug/L	92195	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	87
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
5	Ethane, isocyanato-	71	C3H5NO	000109-90-0	59





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Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

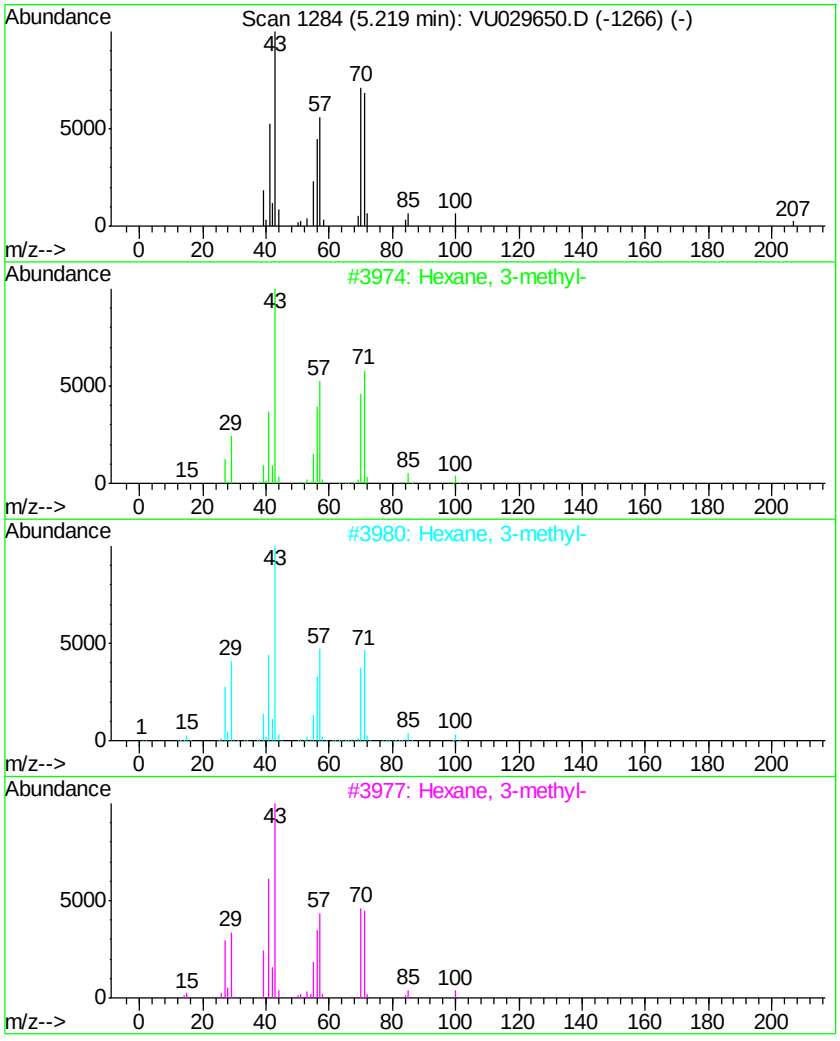
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

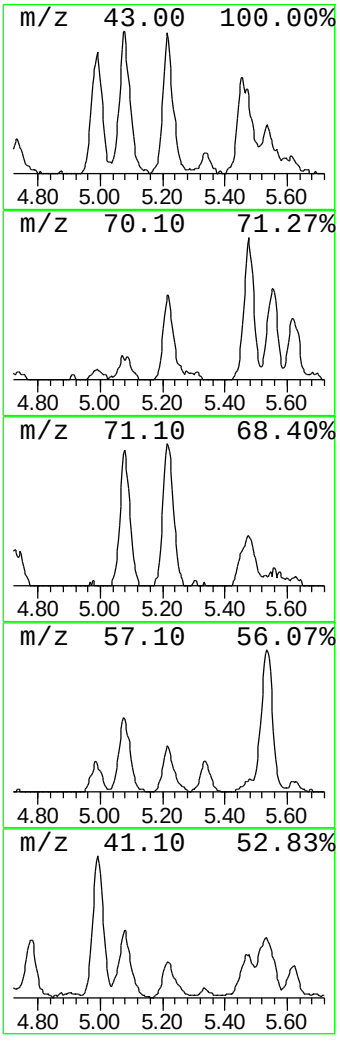
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	3.19 ug/L	67429	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
4	Heptane	100	C7H16	000142-82-5	64
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	59





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Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

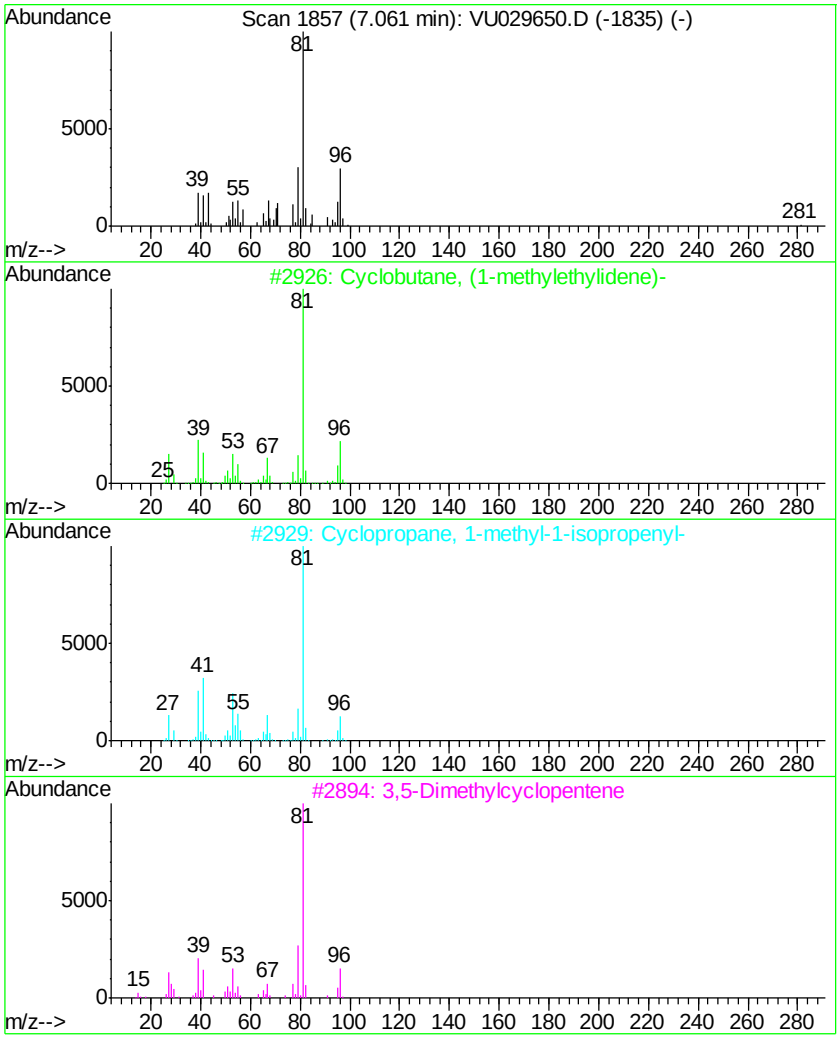
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

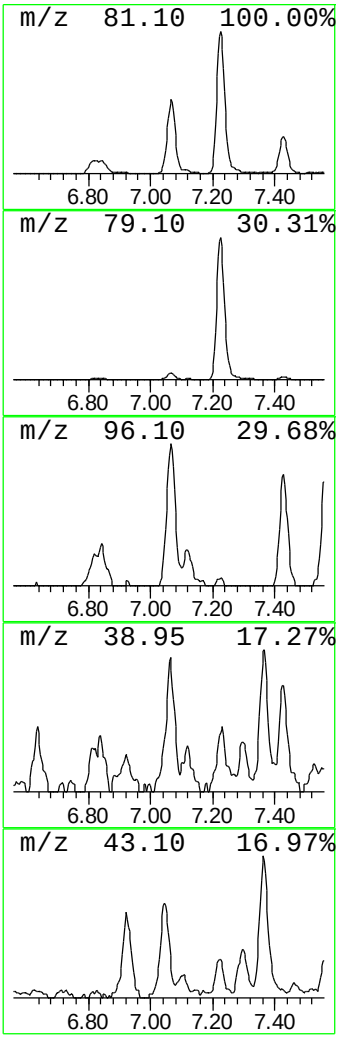
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclobutane, (1-methylethyl... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	4.75 ug/L	100394	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	80
3	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	78
4	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	72
5	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

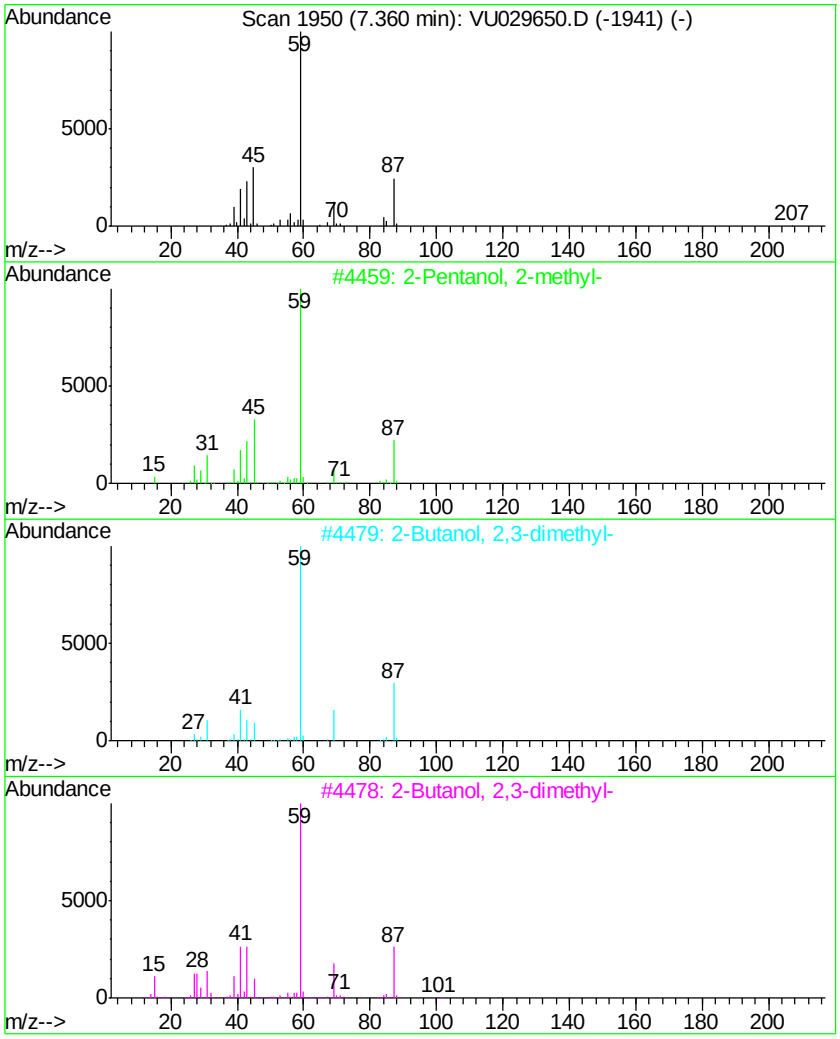
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

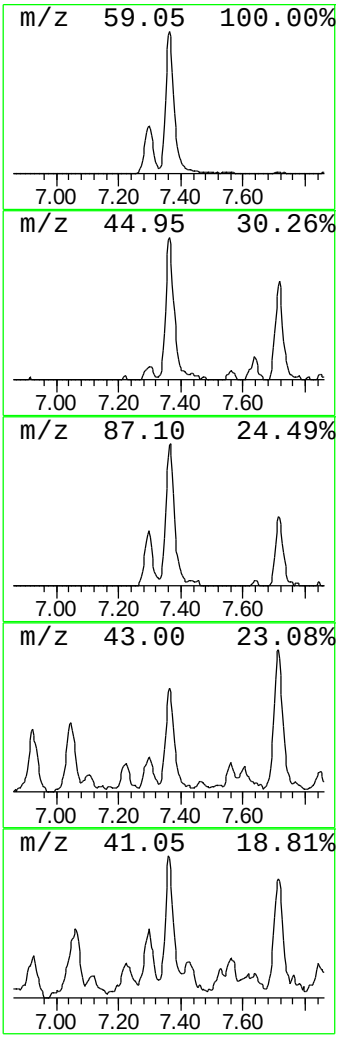
****

Peak Number 17 2-Pentanol, 2-methyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.36	4.27 ug/L	90300	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 2-methyl-	102	C6H14O	000590-36-3	72
2	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	64
3	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	64
4	2-Butanol, 2,3-dimethyl-	102	C6H14O	000594-60-5	59
5	2,2-Dimethylbutanedioic acid	146	C6H10O4	000597-43-3	56





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Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

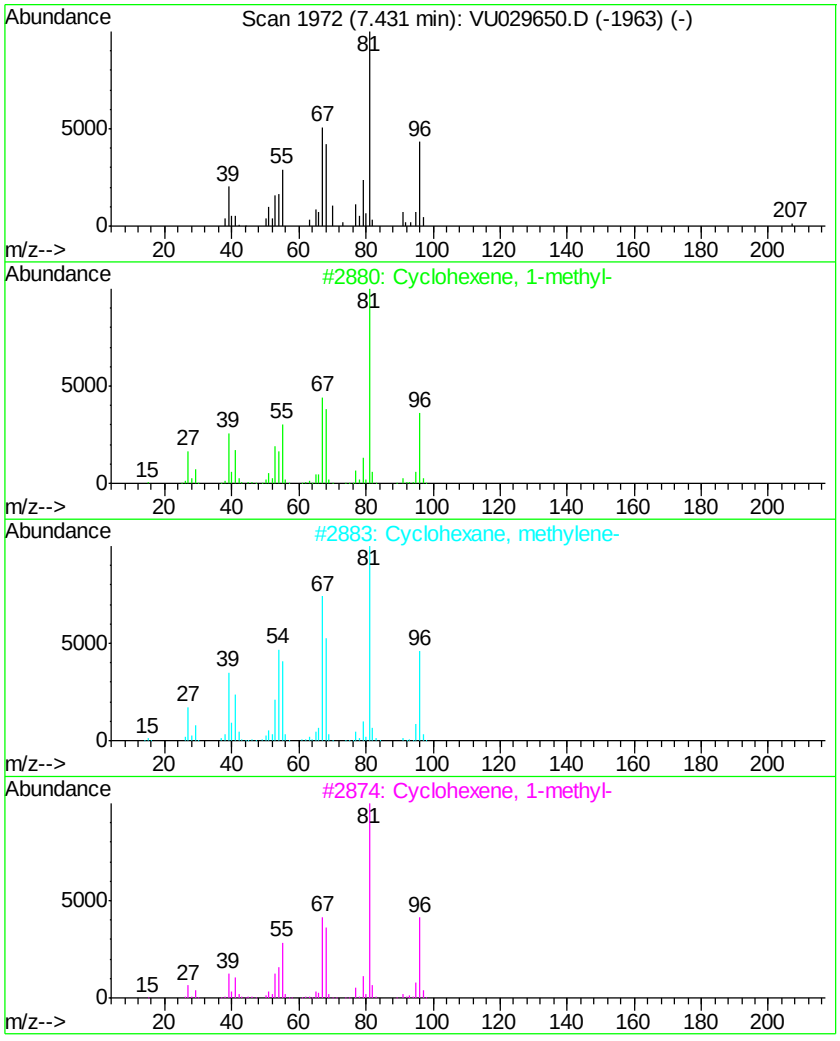
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

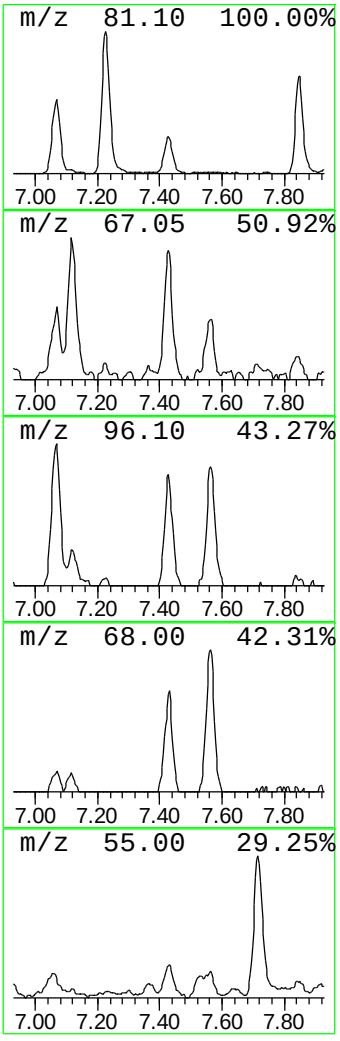
****

Peak Number 18 Cyclohexene, 1-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	2.89 ug/L	61068	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	91
2	Cyclohexane, methylene-	96	C7H12	001192-37-6	90
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	90
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87
5	2,4-Hexadiene, 3-methyl-	96	C7H12	028823-42-9	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

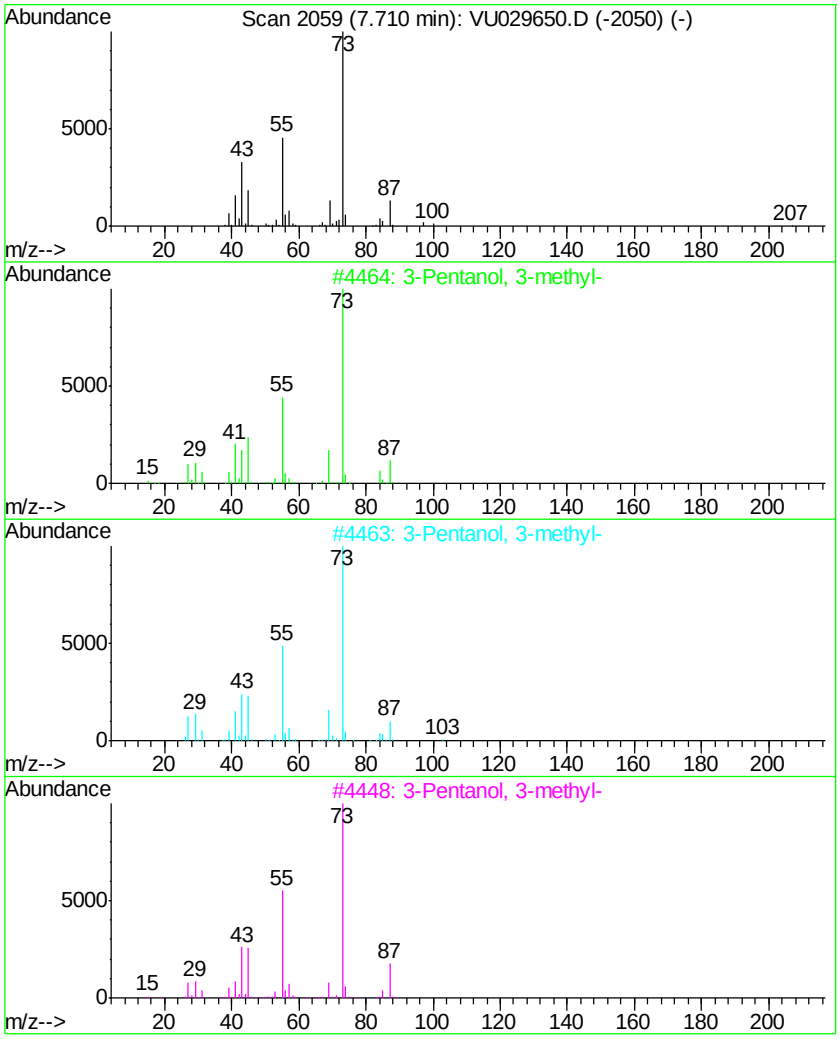
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

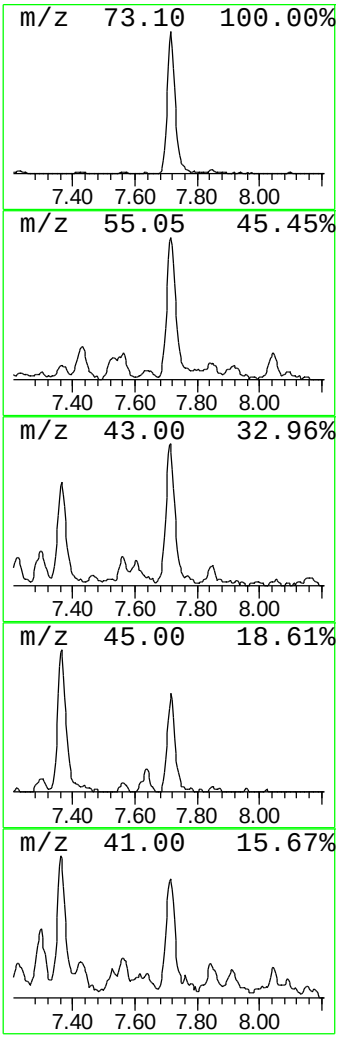
****

Peak Number 19 3-Pentanol, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	4.62 ug/L	123790	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	74
2	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	53
3	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	53
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	38
5	2,5-Dimethyl-4-hydroxy-3-hexanone	144	C8H16O2	000815-77-0	32





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Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

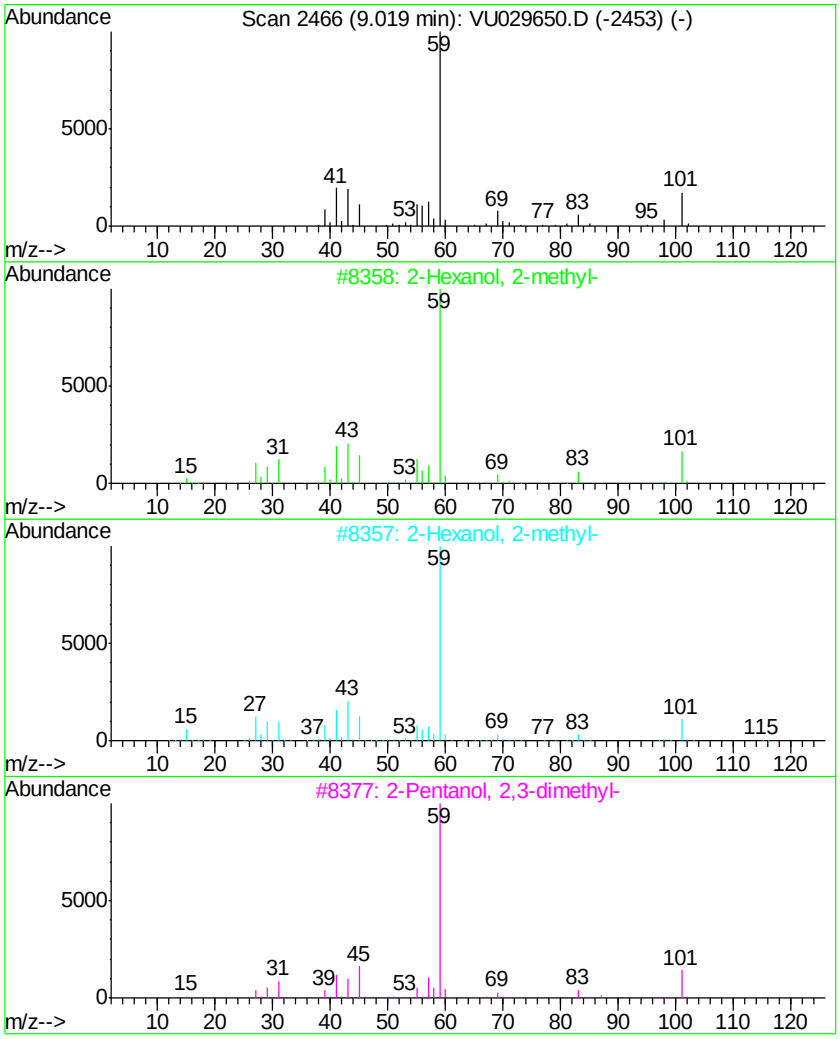
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

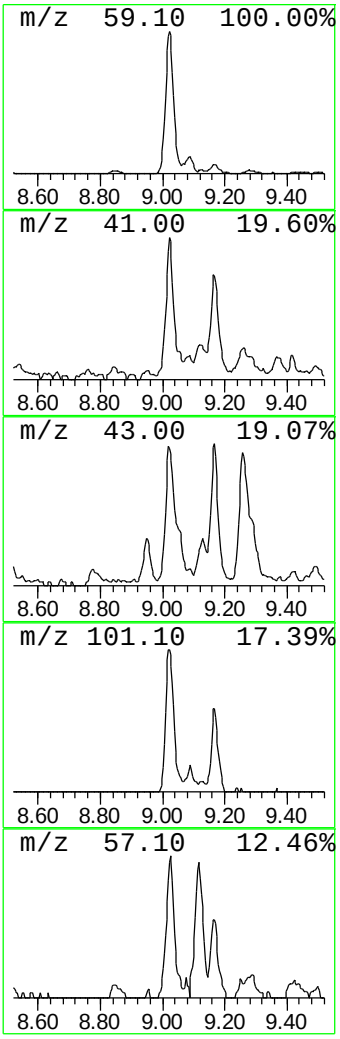
****

Peak Number 20 2-Hexanol, 2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.02	3.75 ug/L	100438	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	78
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	72
3	2-Pentanol, 2,3-dimethyl-	116	C7H16O	004911-70-0	72
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	72
5	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	64





Library Search Compound Report

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Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

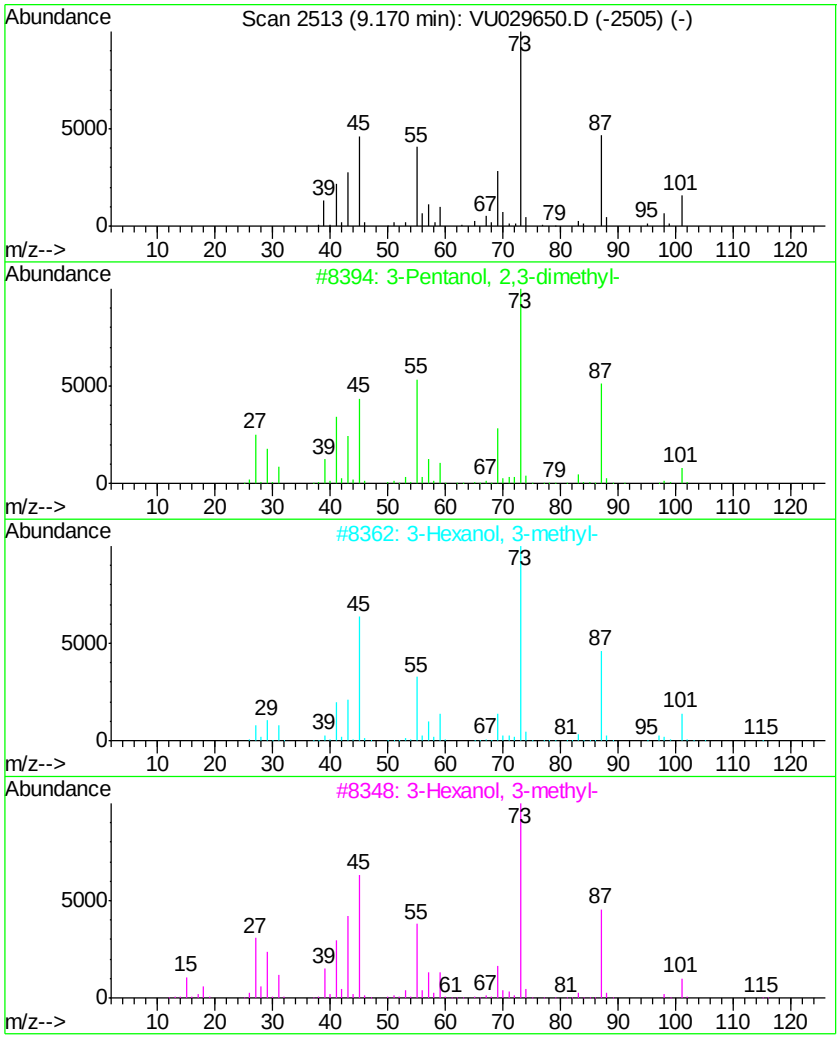
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

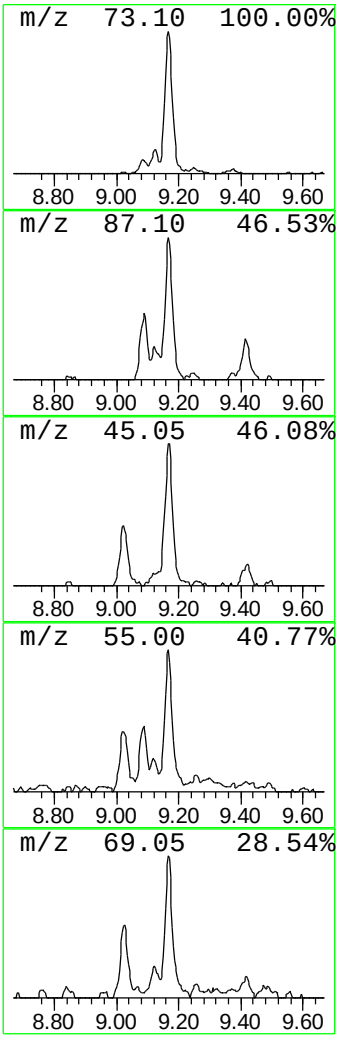
****

Peak Number 21 3-Pentanol, 2,3-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	3.75 ug/L	100557	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	78
2	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	78
3	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	72
4	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	72
5	3-Pentanol, 2,3-dimethyl-	116	C7H16O	000595-41-5	59





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Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

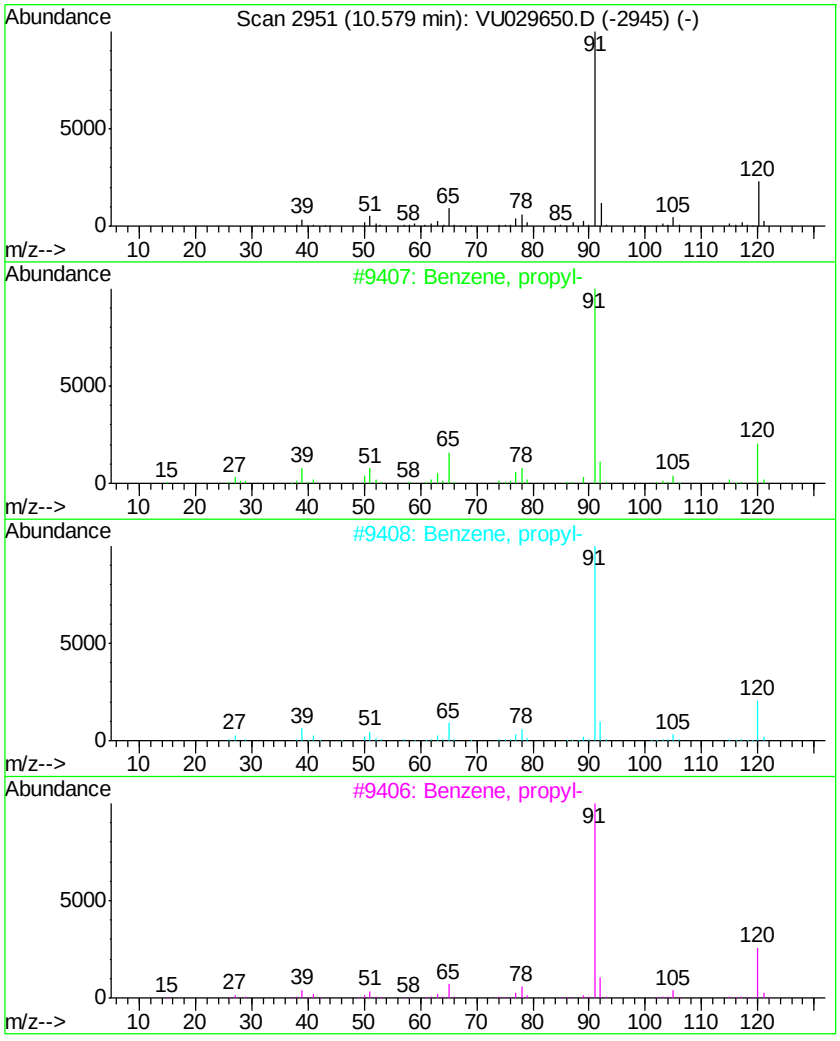
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

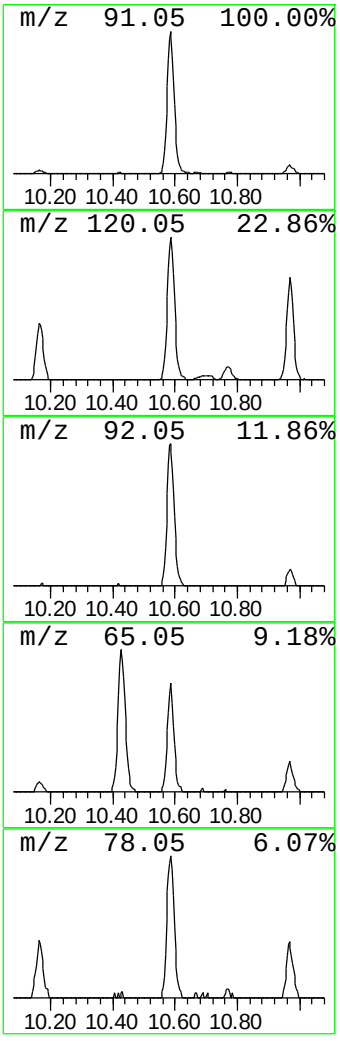
****

Peak Number 22 Benzene, propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	6.90 ug/L	184265	1,4-Dichlorobenzene-d4	11.48

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	87
3	Benzene, propyl-	120	C9H12	000103-65-1	83
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5	1-Benzylamino-2-benzyloxyethane	241	C16H19NO	038336-06-0	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

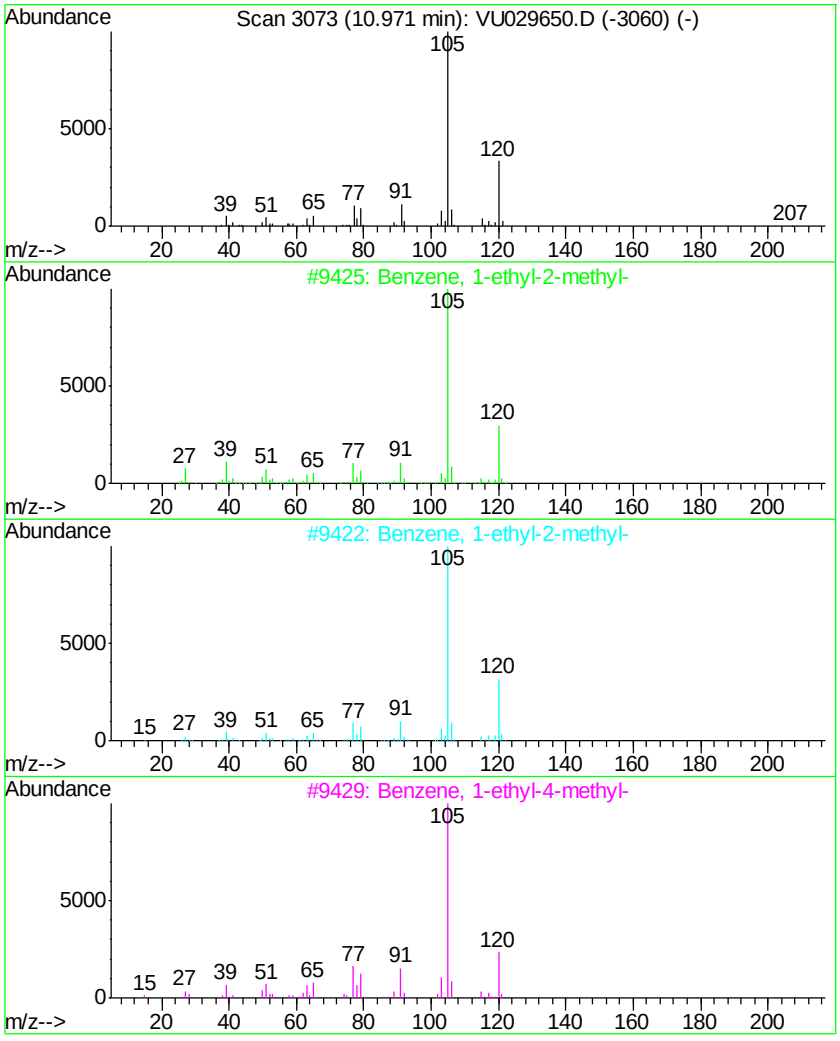
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

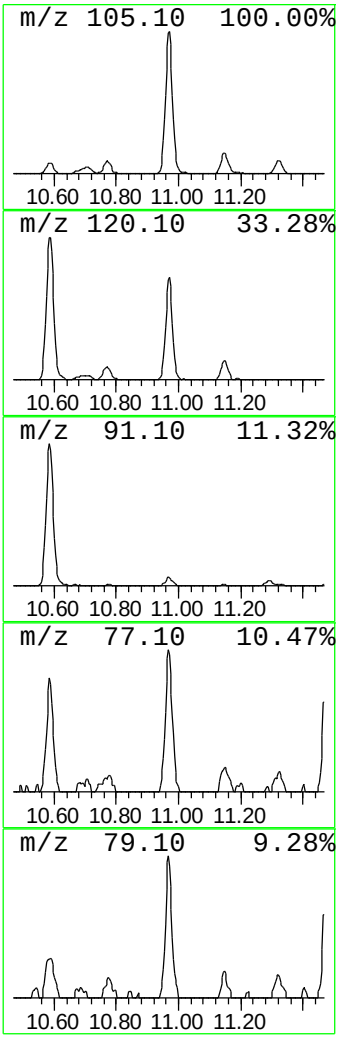
****

Peak Number 23 Benzene, 1-ethyl-2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	3.87 ug/L	103371	1,4-Dichlorobenzene-d4	11.48

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, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

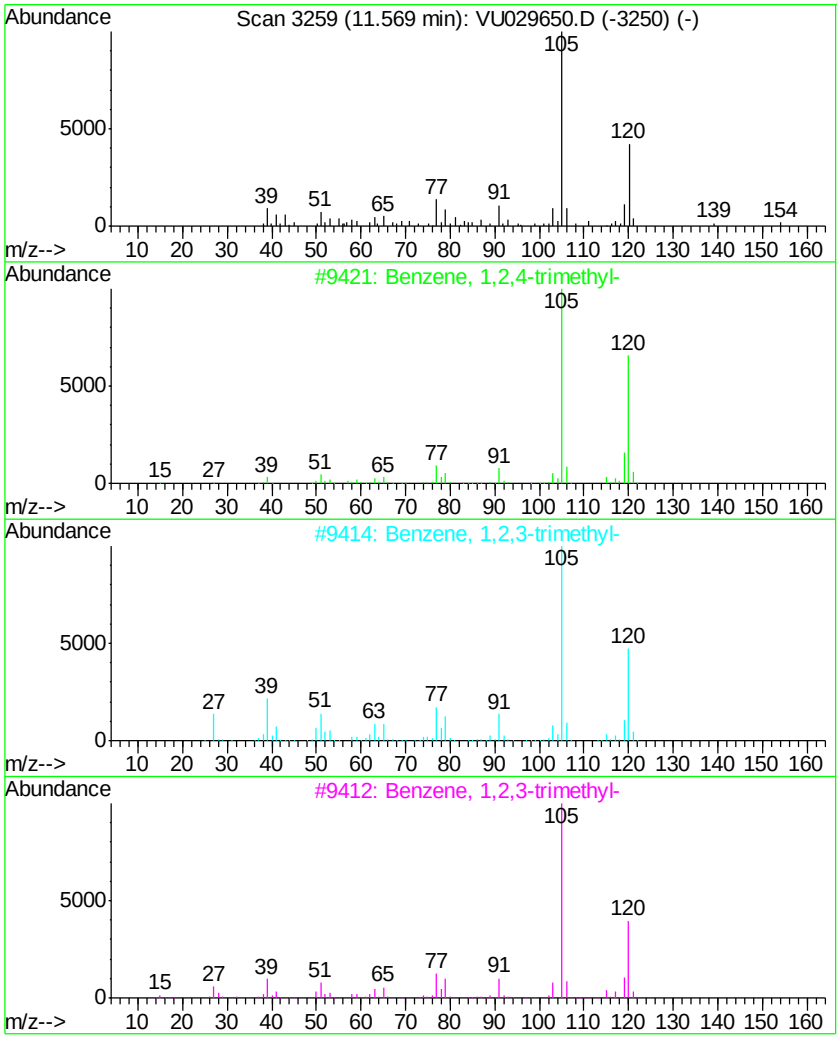
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

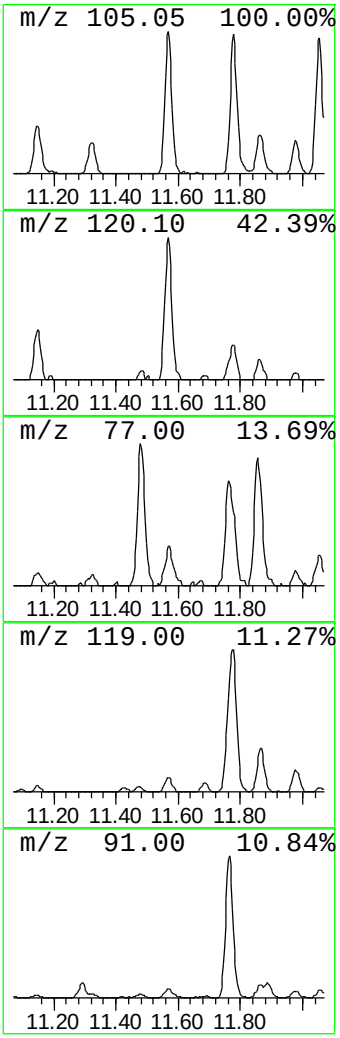
****

Peak Number 24 Benzene, 1,2,4-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	4.43 ug/L	118281	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
5	Mesitylene	120	C9H12	000108-67-8	87





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Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

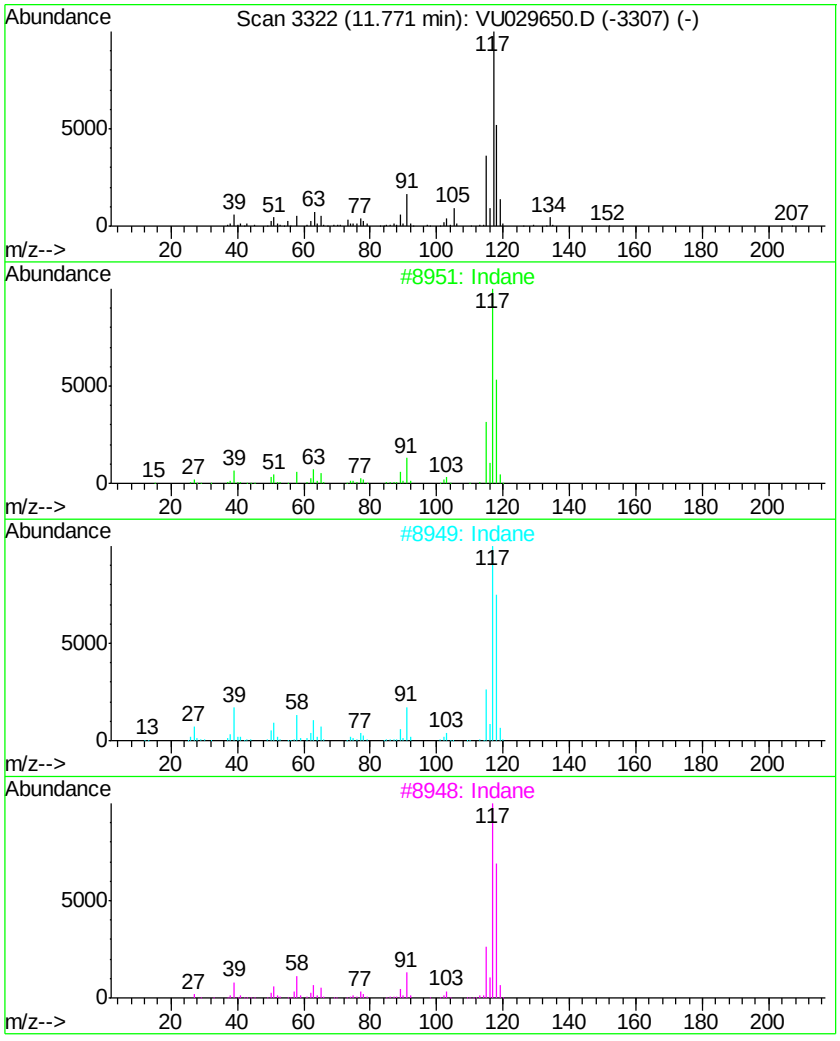
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

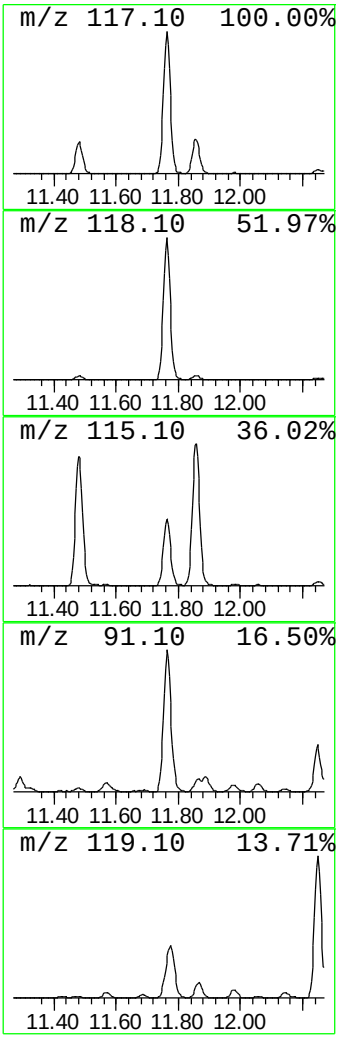
****

Peak Number 25 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	23.77 ug/L	634300	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	83
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	80
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72





Library Search Compound Report

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Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

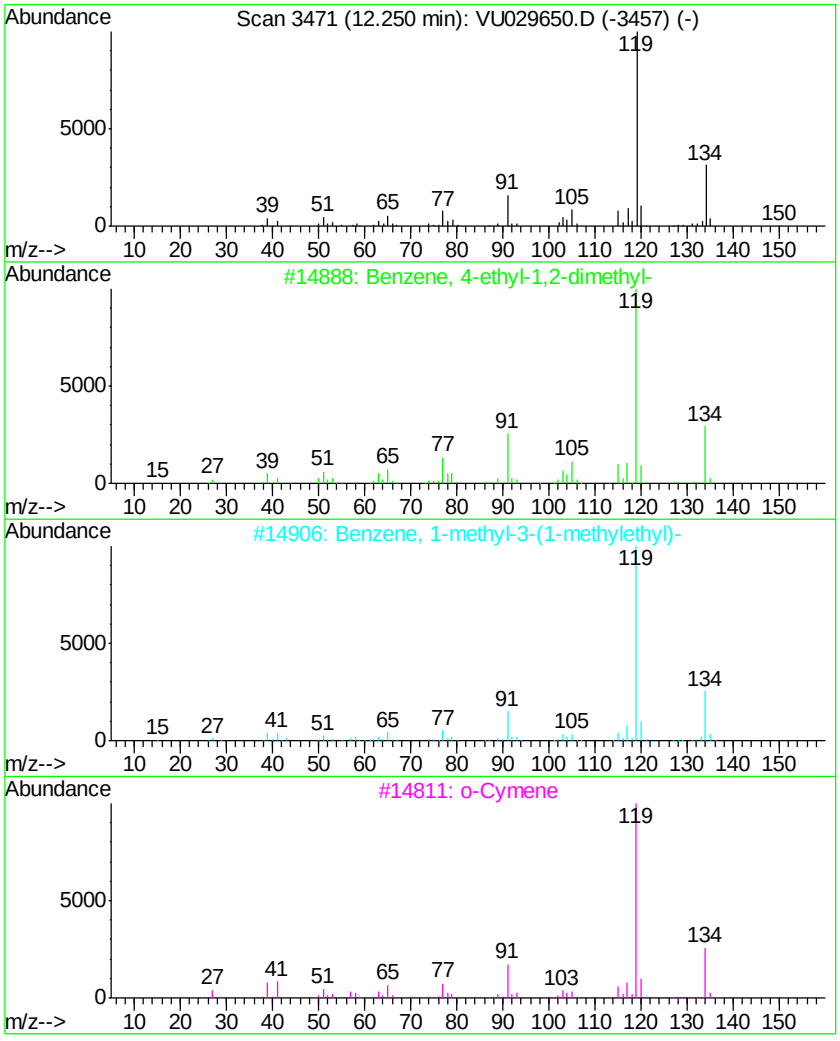
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

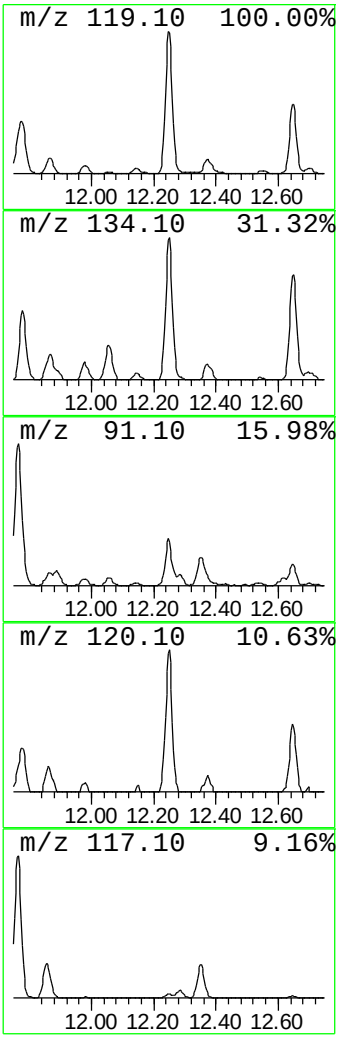
****

Peak Number 26 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	5.39 ug/L	143791	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





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Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

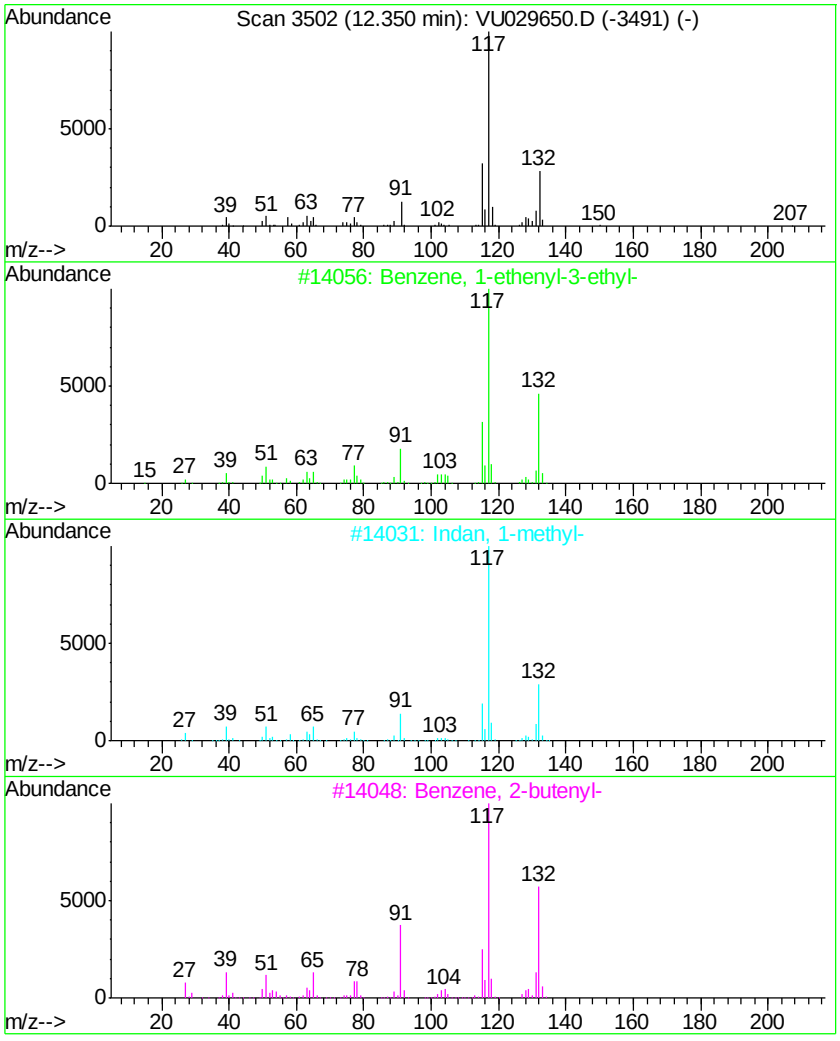
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

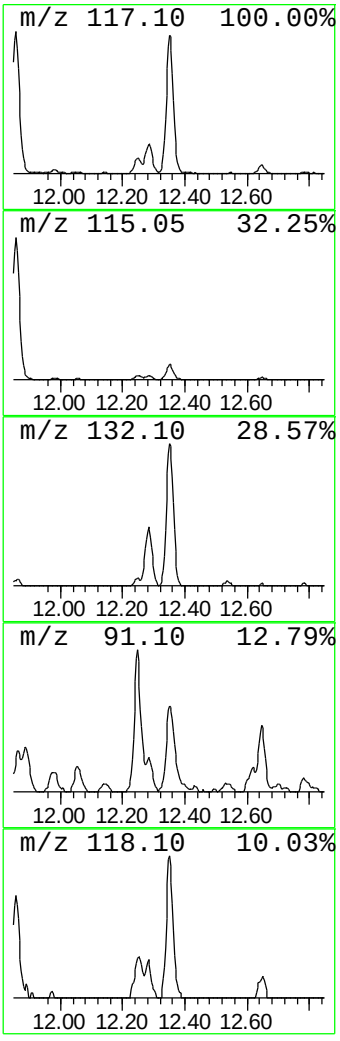
****

Peak Number 27 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	5.30 ug/L	141311	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	86
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86





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Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

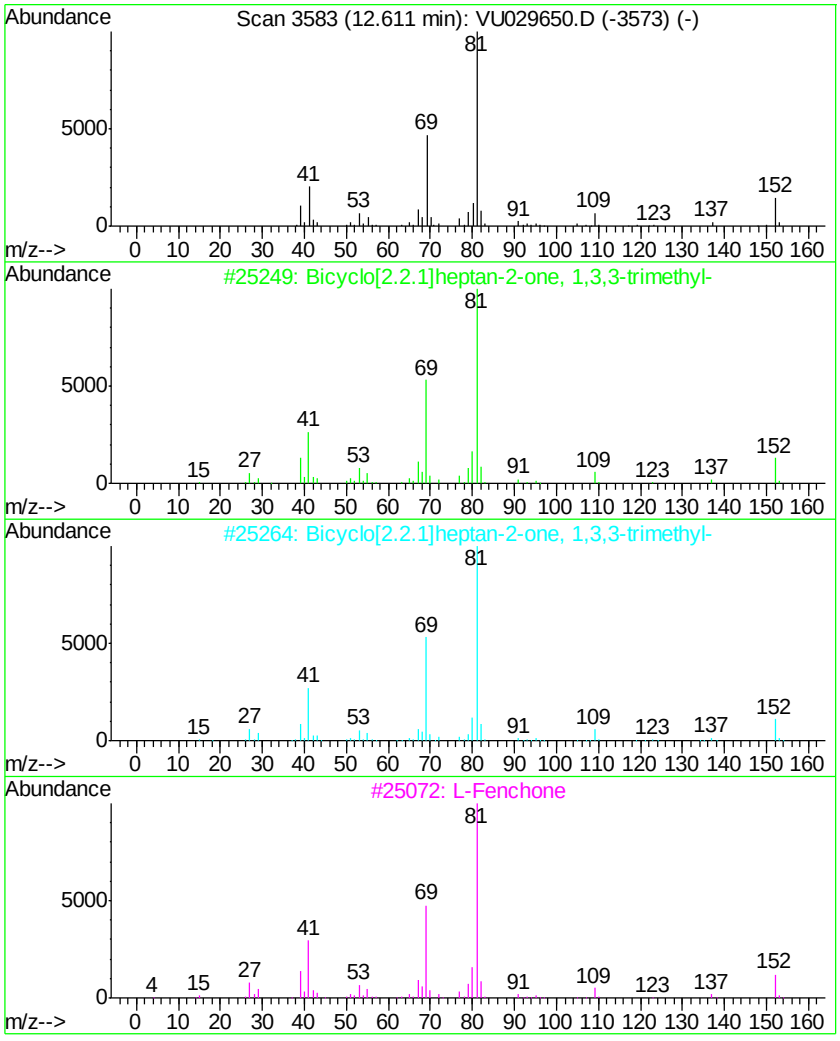
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

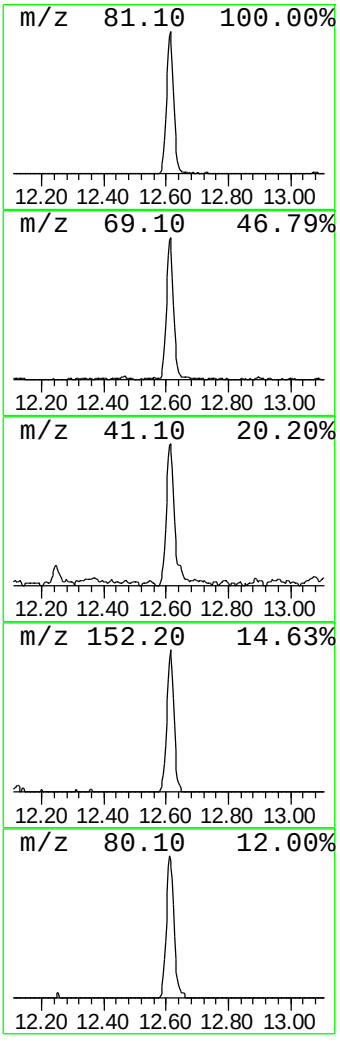
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Bicyclo[2.2.1]heptan-2-one,... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	5.83 ug/L	155590	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
2	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	95
3	L-Fenchone	152	C10H16O	007787-20-4	95
4	D-Fenchone	152	C10H16O	004695-62-9	91
5	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	91





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Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

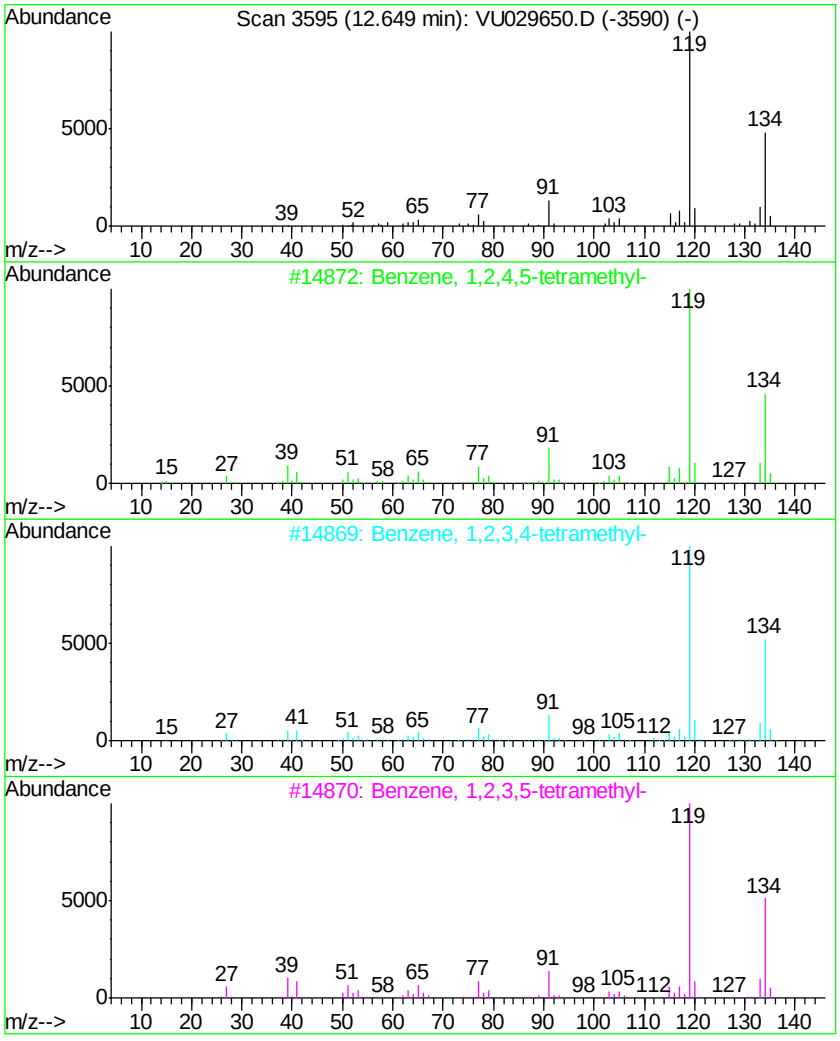
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

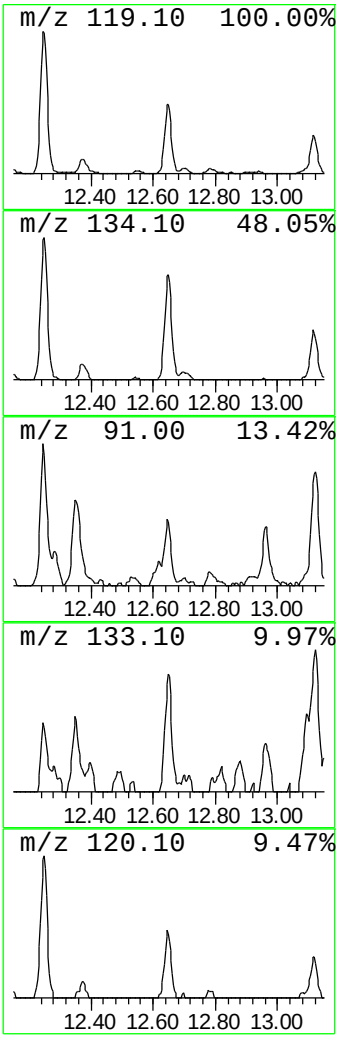
****

Peak Number 29 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	2.62 ug/L	69797	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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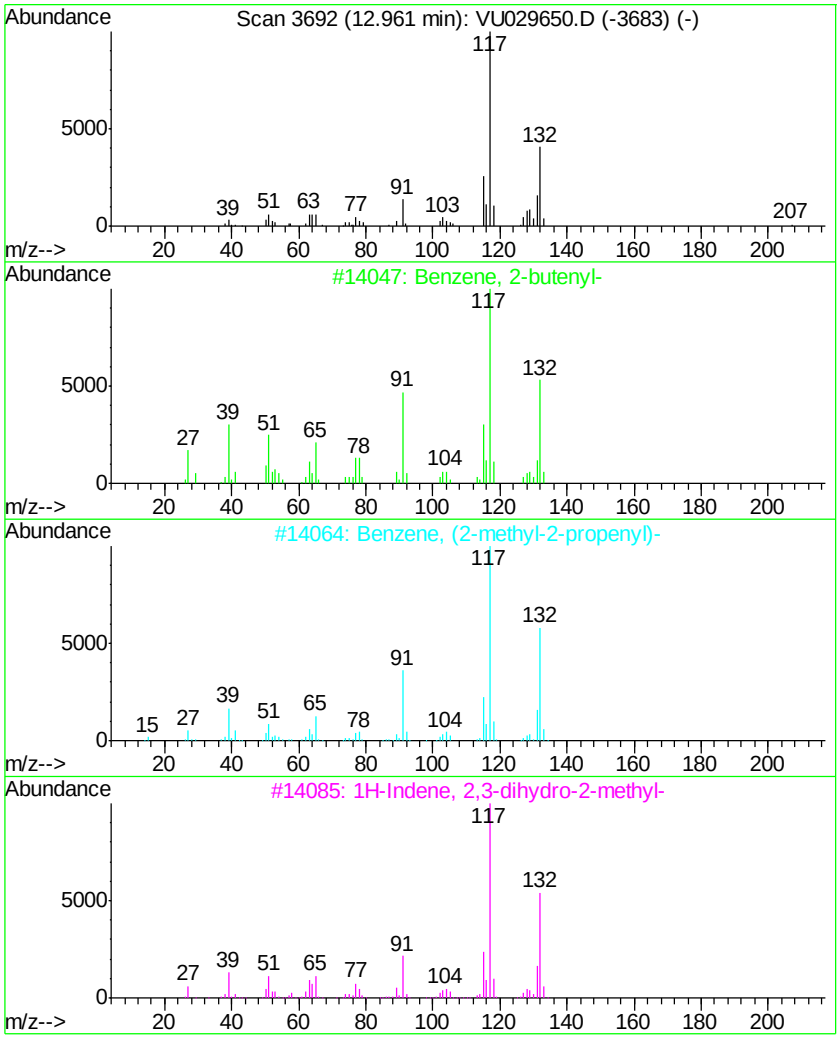
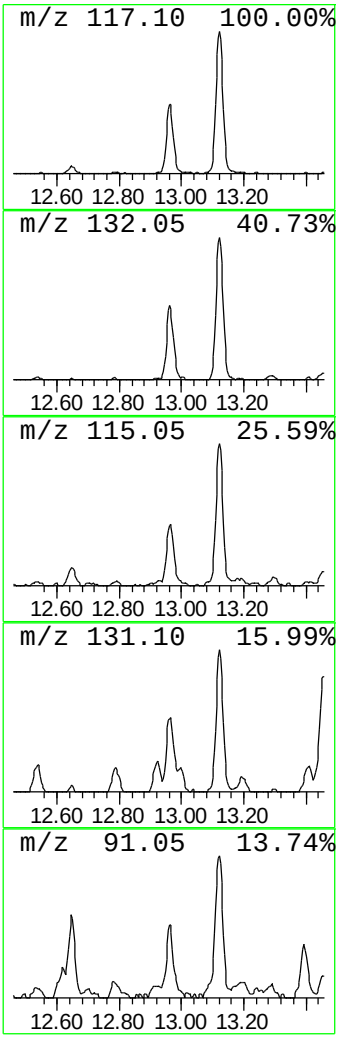
Peak Number 30 Benzene, 2-butenyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	2.83 ug/L	75624	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-butenyl-	132	C10H12	001560-06-1	91
2	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	90
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90
5	Indan, 1-methyl-	132	C10H12	000767-58-8	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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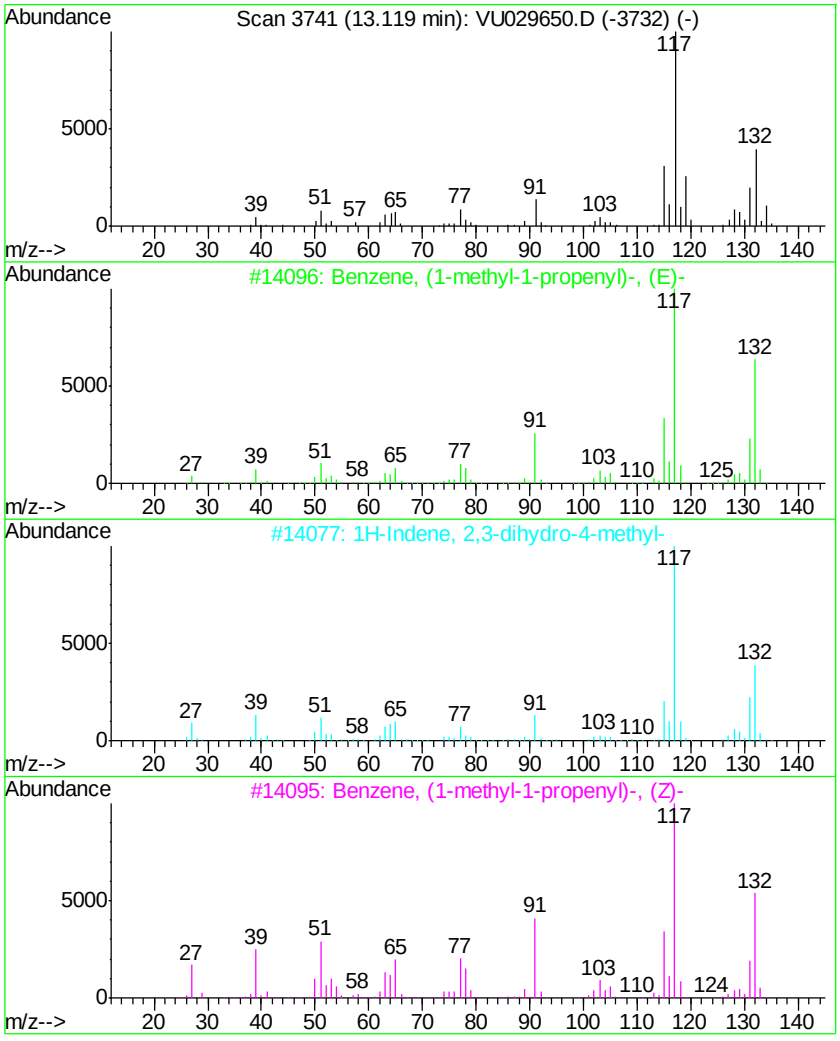
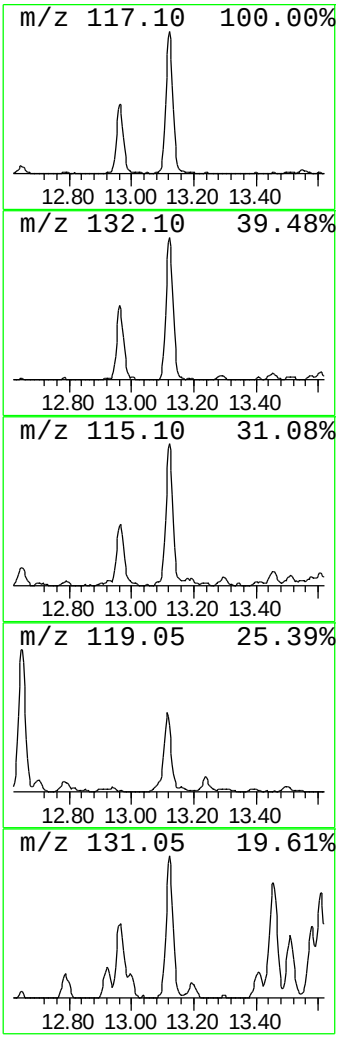
Peak Number 31 Benzene, (1-methyl-1-propen... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	7.13 ug/L	190213	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	80
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	80
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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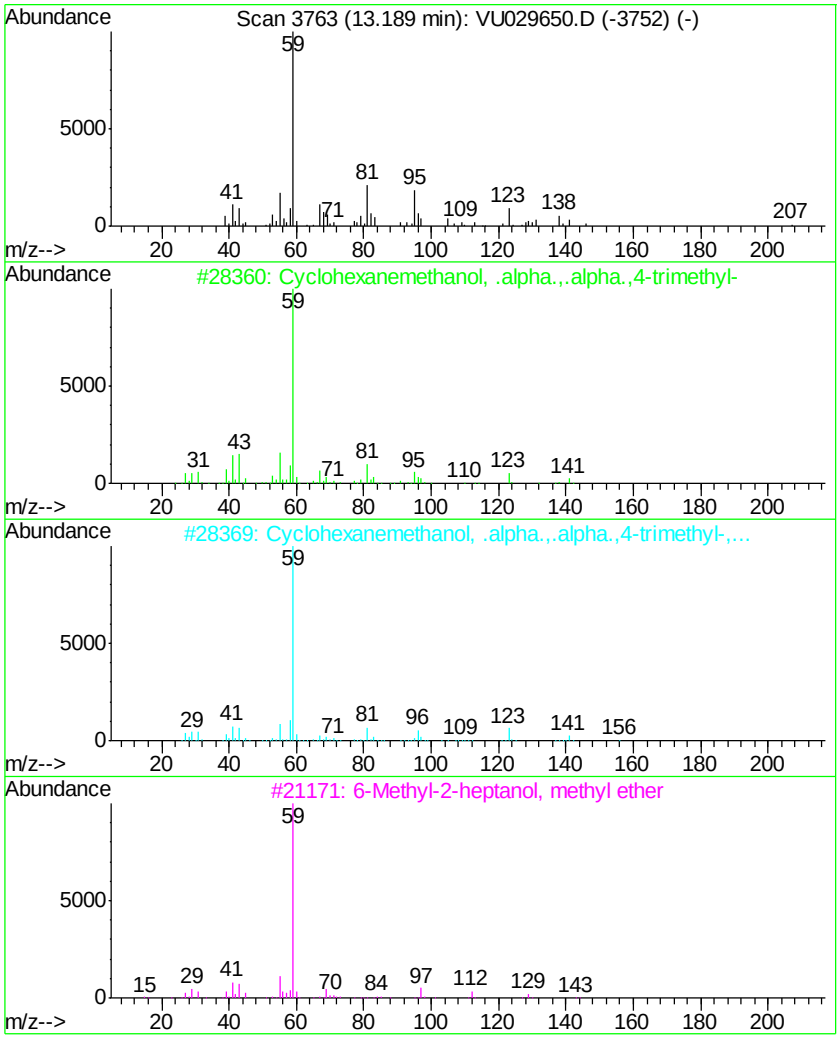
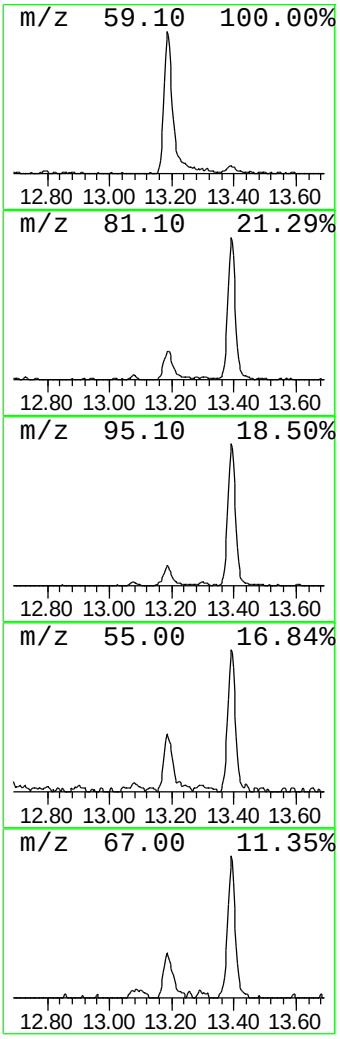
Peak Number 32 Cyclohexanemethanol, .alpha... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	2.71 ug/L	72390	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	72
2	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	005114-00-1	59
3	6-Methyl-2-heptanol, methyl ether	144	C9H20O	1000365-52-0	47
4	2-Dodecanol, 2-methyl-	200	C13H28O	001653-37-8	38
5	1-Butene, 4-ethoxy-	100	C6H12O	044611-46-3	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis

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

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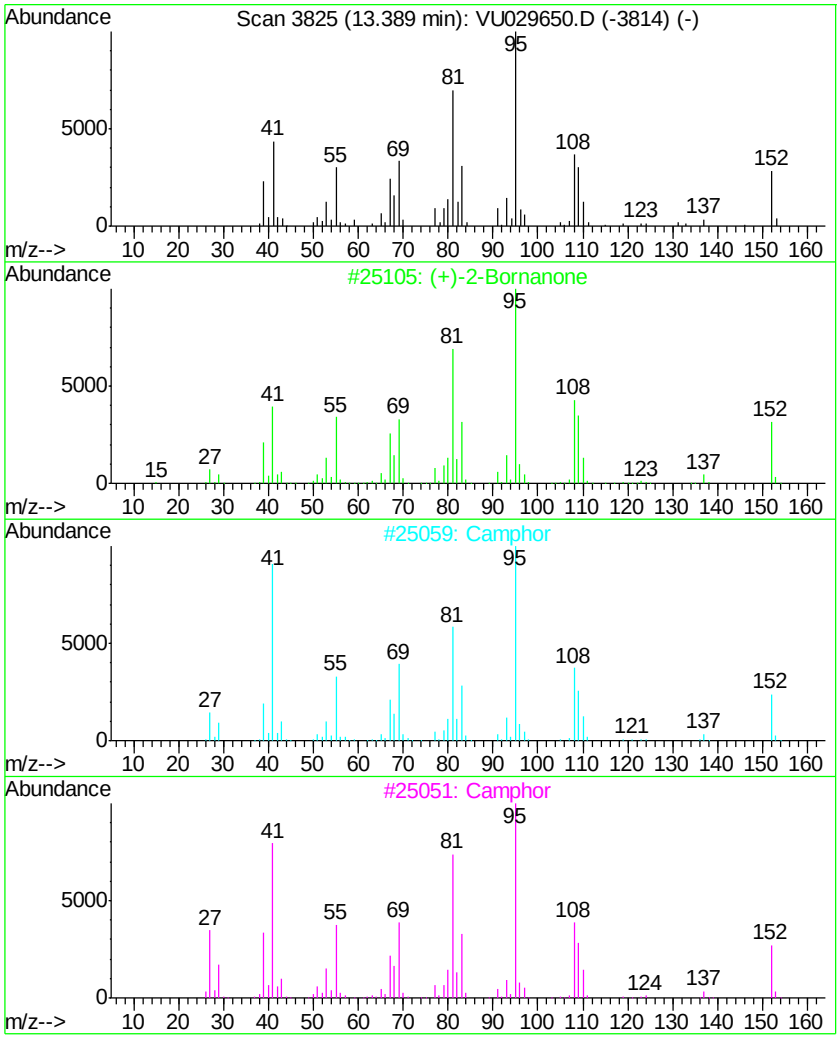
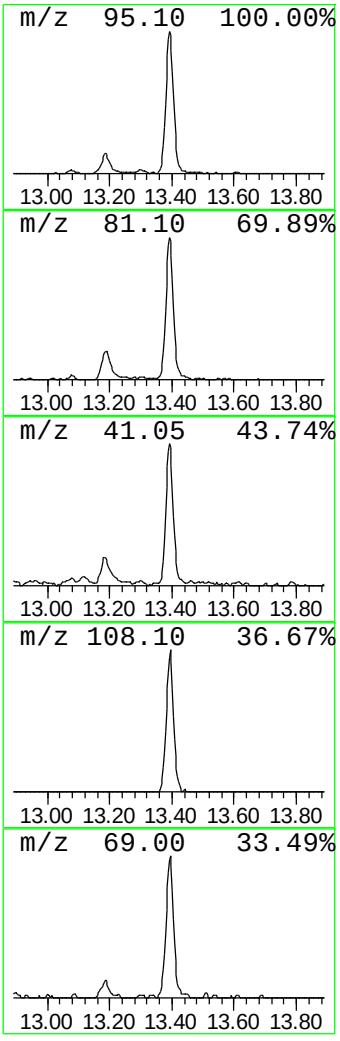
Peak Number 33 (+)-2-Bornanone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	7.89 ug/L	210505	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	98
2	Camphor	152	C10H16O	000076-22-2	98
3	Camphor	152	C10H16O	000076-22-2	98
4	(+)-2-Bornanone	152	C10H16O	000464-49-3	97
5	(+)-2-Bornanone	152	C10H16O	000464-49-3	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022519\
Data File : VU029650.D
Acq On : 25 Feb 2019 11:35
Operator : JC/SP
Sample : K1581-19DL 10X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB629DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.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
(DEL) Alkane: Str...	1.75	28.2	ug/L	597436	1	5.88	1057730	50.0
(DEL) Alkane: Str...	1.95	11.8	ug/L	248933	1	5.88	1057730	50.0
(DEL) Alkane: Cyc...	2.18	22.1	ug/L	467739	1	5.88	1057730	50.0
unknown-01	2.69	5.5	ug/L	116843	1	5.88	1057730	50.0
(DEL) Alkane: Str...	2.74	7.7	ug/L	162287	1	5.88	1057730	50.0
(DEL) Alkane: Cyc...	2.79	14.1	ug/L	298533	1	5.88	1057730	50.0
(DEL) Alkane: Str...	2.99	7.7	ug/L	161819	1	5.88	1057730	50.0
(DEL) Alkane: Cyc...	3.55	5.5	ug/L	117168	1	5.88	1057730	50.0
(DEL) Alkane: Cyc...	3.66	2.9	ug/L	60450	1	5.88	1057730	50.0
(DEL) Alkane: Cyc...	3.89	4.3	ug/L	89989	1	5.88	1057730	50.0
(DEL) Alkane: Cyc...	4.09	20.9	ug/L	442624	1	5.88	1057730	50.0
Cyclopentene, 3-m...	4.78	10.1	ug/L	214142	1	5.88	1057730	50.0
(DEL) Alkane: Str...	5.08	4.4	ug/L	92195	1	5.88	1057730	50.0
(DEL) Alkane: Str...	5.22	3.2	ug/L	67429	1	5.88	1057730	50.0
Cyclobutane, (1-m...	7.06	4.8	ug/L	100394	1	5.88	1057730	50.0
2-Pentanol, 2-met...	7.36	4.3	ug/L	90300	1	5.88	1057730	50.0
Cyclohexene, 1-me...	7.43	2.9	ug/L	61068	1	5.88	1057730	50.0
3-Pentanol, 3-met...	7.71	4.6	ug/L	123790	2	9.09	1339710	50.0
2-Hexanol, 2-methyl-	9.02	3.8	ug/L	100438	2	9.09	1339710	50.0
3-Pentanol, 2,3-d...	9.17	3.8	ug/L	100557	2	9.09	1339710	50.0
Benzene, propyl-	10.58	6.9	ug/L	184265	3	11.48	1334370	50.0
Benzene, 1-ethyl-...	10.97	3.9	ug/L	103371	3	11.48	1334370	50.0
Benzene, 1,2,4-tr...	11.57	4.4	ug/L	118281	3	11.48	1334370	50.0
Indane	11.77	23.8	ug/L	634300	3	11.48	1334370	50.0
Benzene, 4-ethyl-...	12.25	5.4	ug/L	143791	3	11.48	1334370	50.0
Benzene, 1-etheny...	12.35	5.3	ug/L	141311	3	11.48	1334370	50.0
Bicyclo[2.2.1]hep...	12.61	5.8	ug/L	155590	3	11.48	1334370	50.0
Benzene, 1,2,4,5-...	12.65	2.6	ug/L	69797	3	11.48	1334370	50.0
Benzene, 2-butenyl-	12.96	2.8	ug/L	75624	3	11.48	1334370	50.0
Benzene, (1-methy...	13.12	7.1	ug/L	190213	3	11.48	1334370	50.0
Cyclohexanemethan...	13.19	2.7	ug/L	72390	3	11.48	1334370	50.0
(+)-2-Bornanone	13.39	7.9	ug/L	210505	3	11.48	1334370	50.0