LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

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\SOMULM122018WMA.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	1.398	42	70	83	rBV2	227958	764052	90.78%	5.302%
2	1.669	148	154	170	rVB	95362	126598	15.04%	0.878%
3	1.746	174	178	206	rVB	35887	62249	7.40%	0.432%
4	1.942	233	239	250	rVB2	38999	57823	6.87%	0.401%
5	2.180	307	313	329	rVB5	30075	52266	6.21%	0.363%
6	2.270	330	341	354	rVB	194219	294837	35.03%	2.046%
7	2.450	386	397	414	rBV2	13392	35414	4.21%	0.246%
8	2.791	495	503	513	rVB3	18801	32925	3.91%	0.228%
9	2.993	559	566	581	rVB3	15701	29727	3.53%	0.206%
10	3.302	650	662	677	rVB4	8778	19757	2.35%	0.137%
11	3.549	717	739	758	rVB6	8067	23786	2.83%	0.165%
12	3.987	862	875	891	rBV4	32464	80770	9.60%	0.560%
13	4.090	893	907	922	rVV3	54773	148657	17.66%	1.032%
14	4.176	922	934	976	rVB	88045	243916	28.98%	1.693%
15	4.646	1064	1080	1098	rVV	139308	327271	38.89%	2.271%
16	4.778	1110	1121	1137	rVB3	17914	41615	4.94%	0.289%
17	4.993	1172	1188	1203	rBV3	70719	171290	20.35%	1.189%
18	5.221	1244	1259	1264	rBV4	10211	23658	2.81%	0.164%
19	5.337	1275	1295	1309	rBV2	298546	841611	100.00%	5.840%
20	5.479	1327	1339	1346	rBV4	24861	55820	6.63%	0.387%
21	5.620	1372	1383	1401	rVB2	43678	100941	11.99%	0.700%
22	5.884	1451	1465	1479	rBV	267644	531135	63.11%	3.686%
23	6.215	1552	1568	1586	rBV6	37283	81418	9.67%	0.565%
24	6.327	1586	1603	1615	rBV	201258	399885	47.51%	2.775%
25	6.411	1616	1629	1648	rVB2	131910	305134	36.26%	2.117%
26	6.639	1688	1700	1712	rBV2	19910	38450	4.57%	0.267%
27	6.739	1715	1731	1742	rBV4	12003	22868	2.72%	0.159%
28	6.819	1744	1756	1758	rBV3	19731	28118	3.34%	0.195%
29	6.903	1773	1782	1801	rVB5	22174	45571	5.41%	0.316%
30	7.067	1815	1833	1845	rBV	31814	61976	7.36%	0.430%
31	7.225	1872	1882	1902	rVB	125537	236900	28.15%	1.644%
32	7.427	1935	1945	1961	rVB	49710	93395	11.10%	0.648%
33	7.562	1965	1987	2001	rBV	435565	825850	98.13%	5.731%
34	7.636	2002	2010	2022	rVB	45970	80224	9.53%	0.557%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

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\SOMULM122018WMA.M
Title : VOC Analysis

35	7.707	2022	2032	2040	rBV3	15521	29987	3.56%	0.208%
36	7.774	2048	2053	2065	rVB4	15611	26111	3.10%	0.181%
37	7.848	2065	2076	2087	rBV	86371	146721	17.43%	1.018%
38	7.916	2087	2097	2113	rVB3	37870	72867	8.66%	0.506%
39	8.044	2123	2137	2144	rVV4	16786	32285	3.84%	0.224%
40	8.096	2144	2153	2166	rVB3	25707	45124	5.36%	0.313%
41	8.308	2200	2219	2236	rBV	298684	515044	61.20%	3.574%
42	8.388	2236	2244	2250	rVV5	17745	34009	4.04%	0.236%
43	8.421	2251	2254	2262	rVV2	12547	20289	2.41%	0.141%
44	8.488	2264	2275	2284	rVV9	16891	40395	4.80%	0.280%
45	8.543	2284	2292	2301	rVV	24869	43580	5.18%	0.302%
46	8.604	2304	2311	2320	rVB	22621	38080	4.52%	0.264%
47	8.758	2348	2359	2369	rBV5	15205	27338	3.25%	0.190%
48	9.006	2430	2436	2450	rVB9	8897	19510	2.32%	0.135%
49	9.089	2450	2462	2474	rBV	375334	625102	74.27%	4.338%
50	9.250	2503	2512	2532	rVB	48723	87030	10.34%	0.604%
51	9.376	2534	2551	2567	rVV	169496	306690	36.44%	2.128%
52	9.723	2641	2659	2666	rBV5	13057	32200	3.83%	0.223%
53	9.777	2666	2676	2699	rVB	201706	326696	38.82%	2.267%
54	9.951	2711	2730	2744	rVV4	22671	50045	5.95%	0.347%
55	10.044	2750	2759	2769	rBV6	10302	21771	2.59%	0.151%
56	10.163	2788	2796	2805	rVV	36868	55922	6.64%	0.388%
57	10.430	2868	2879	2891	rBV	295633	463362	55.06%	3.215%
58	10.491	2892	2898	2909	rVB7	11236	17606	2.09%	0.122%
59	10.588	2918	2928	2942	rBV	45480	74650	8.87%	0.518%
60	10.704	2948	2964	2974	rBV	69739	121678	14.46%	0.844%
61	10.970	3036	3047	3068	rVB	116066	192371	22.86%	1.335%
62	11.147	3088	3102	3115	rBV	260810	397909	47.28%	2.761%
63	11.321	3150	3156	3170	rVB	15627	25339	3.01%	0.176%
64	11.424	3176	3188	3195	rBV	25121	37812	4.49%	0.262%
65	11.482	3195	3206	3221	rVB	388558	601394	71.46%	4.173%
66	11.568	3221	3233	3248	rBV	214662	333339	39.61%	2.313%
67	11.684	3262	3269	3281	rVB2	11854	20964	2.49%	0.145%
68	11.768	3281	3295	3306	rBV3	95063	197820	23.50%	1.373%
69	11.858	3313	3323	3344	rVB	439617	735056	87.34%	5.101%
70	11.980	3344	3361	3369	rBV2	19871	36252	4.31%	0.252%
71	12.054	3375	3384	3395	rVB	36879	55731	6.62%	0.387%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

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\SOMULM122018WMA.M
Title : VOC Analysis

72	12.144	3403	3412	3417	rBV	46914	74574	8.86%	0.517%
73	12.173	3417	3421	3431	rVB	51825	71755	8.53%	0.498%
74	12.247	3431	3444	3453	rBV	103467	161504	19.19%	1.121%
75	12.353	3466	3477	3508	rVB2	183001	370230	43.99%	2.569%
76	12.491	3510	3520	3527	rBV3	13507	23344	2.77%	0.162%
77	12.549	3528	3538	3550	rVB3	44680	80727	9.59%	0.560%
78	12.649	3550	3569	3576	rBV	42805	75946	9.02%	0.527%
79	12.700	3576	3585	3600	rVB	107762	171323	20.36%	1.189%
80	12.787	3602	3612	3618	rBV2	25128	39970	4.75%	0.277%
81	12.961	3659	3666	3674	rVV	46086	61794	7.34%	0.429%
82	13.118	3695	3715	3731	rBV3	120399	266064	31.61%	1.846%
83	13.285	3759	3767	3776	rVV2	28573	45500	5.41%	0.316%
84	13.404	3795	3804	3811	rBV5	9730	16755	1.99%	0.116%
85	13.456	3811	3820	3828	rBV2	35264	54672	6.50%	0.379%
86	13.507	3828	3836	3842	rBV4	29830	45124	5.36%	0.313%
87	13.607	3861	3867	3873	rVV	28719	35073	4.17%	0.243%
88	13.739	3892	3908	3918	rBV	97751	167509	19.90%	1.162%
89	13.787	3918	3923	3935	rVB	18076	27059	3.22%	0.188%
90	13.855	3936	3944	3960	rBV7	9847	19194	2.28%	0.133%
91	13.954	3966	3975	3987	rVV5	16050	35833	4.26%	0.249%
92	14.134	4022	4031	4056	rBV6	18983	52565	6.25%	0.365%
93	14.330	4084	4092	4106	rVV4	23773	49537	5.89%	0.344%
94	14.475	4129	4137	4148	rVV2	11620	19302	2.29%	0.134%
95	14.539	4148	4157	4169	rVB4	17173	33154	3.94%	0.230%
96	14.678	4189	4200	4216	rBV5	21433	45475	5.40%	0.316%
97	14.877	4251	4262	4270	rVV7	10886	25245	3.00%	0.175%
98	15.060	4309	4319	4332	rVV	42129	76075	9.04%	0.528%
99	15.919	4575	4586	4606	rVB4	13634	30217	3.59%	0.210%
100	16.060	4621	4630	4639	rBV2	25105	41383	4.92%	0.287%

Sum of corrected areas: 14410889

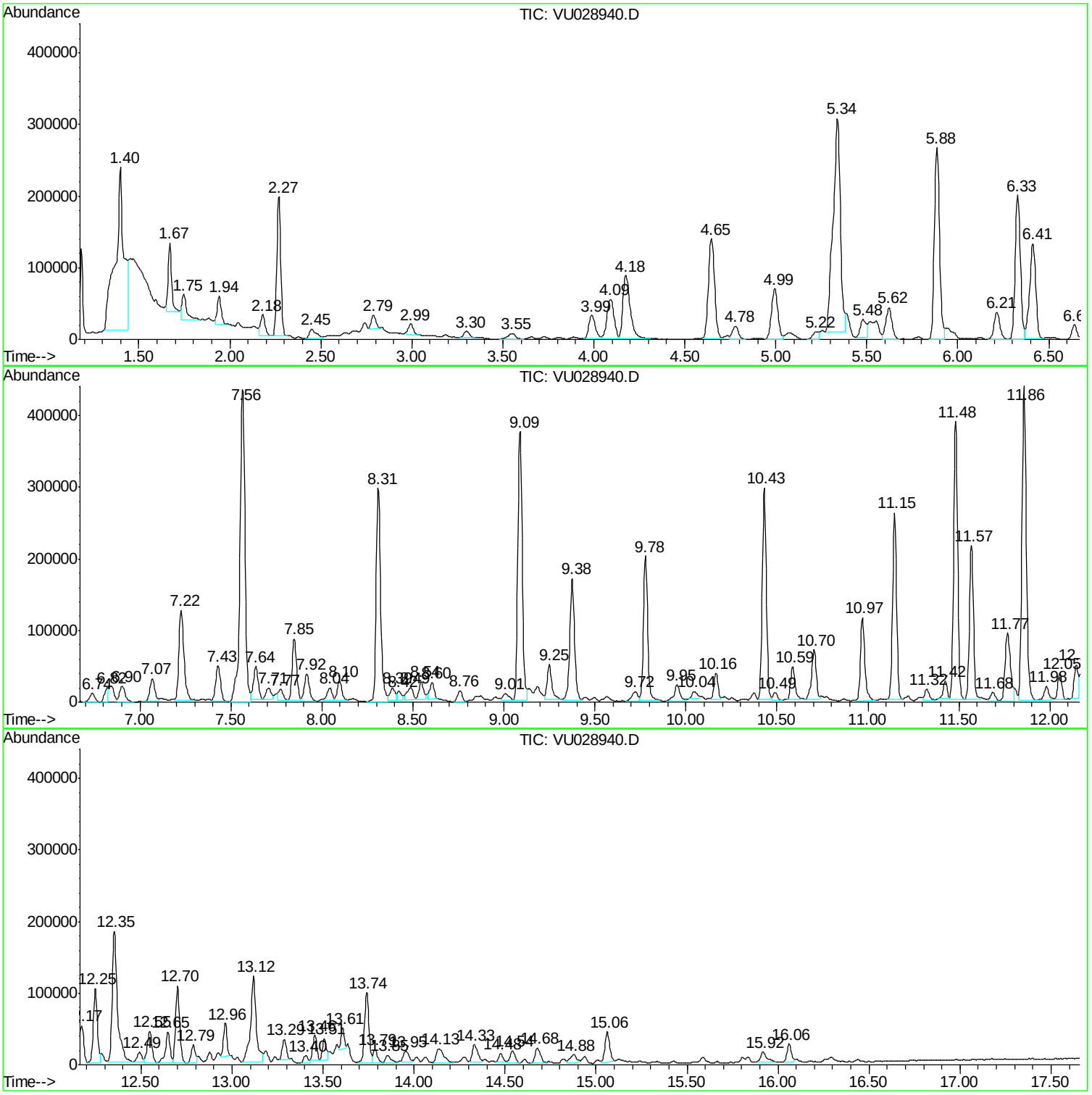
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

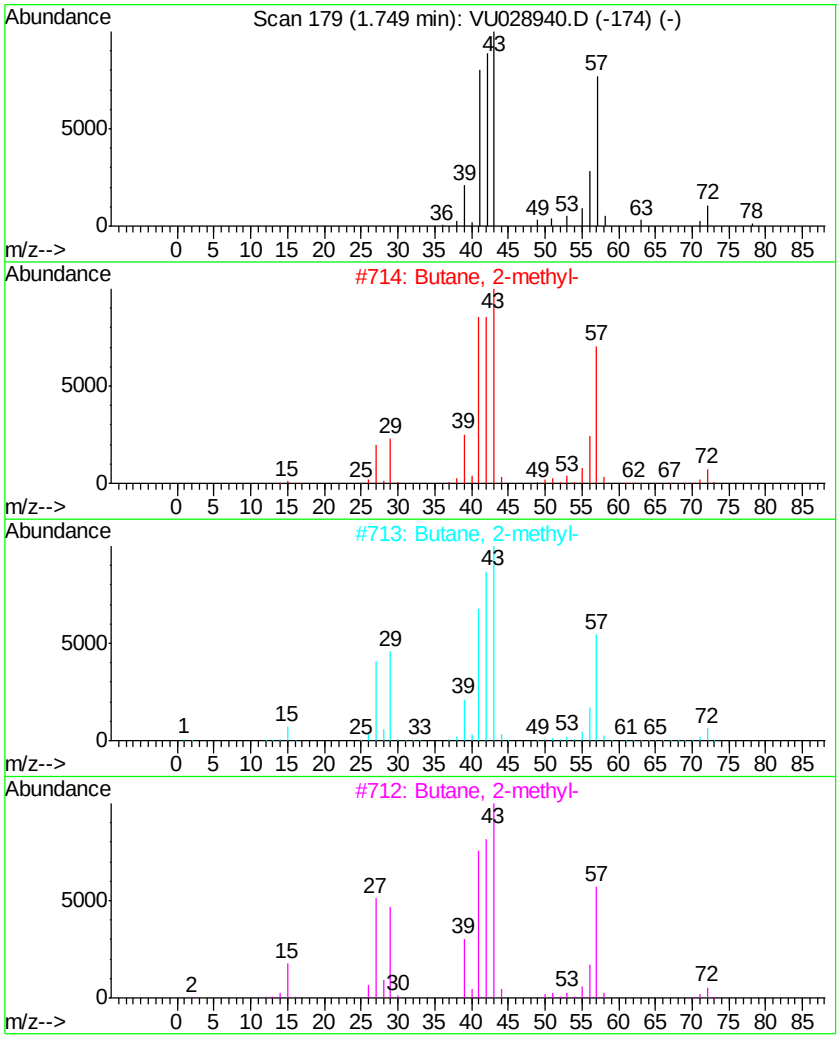
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

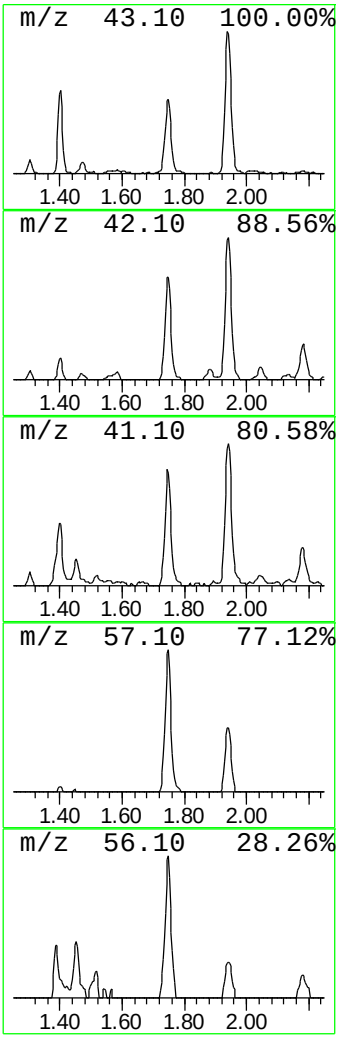
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	5.86 ug/L	62249	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	3-Buten-1-ol	72	C4H8O	000627-27-0	37
5	1,3-Dimethyldiaziridine	72	C3H8N2	026177-36-6	36





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

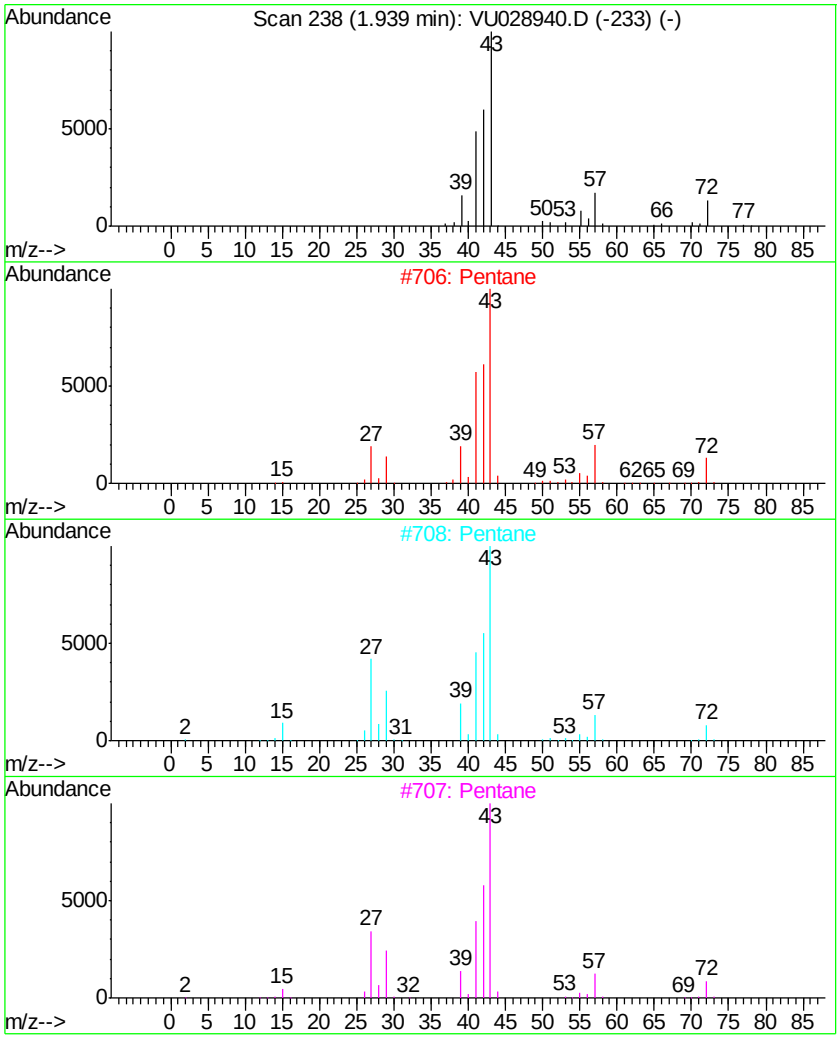
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

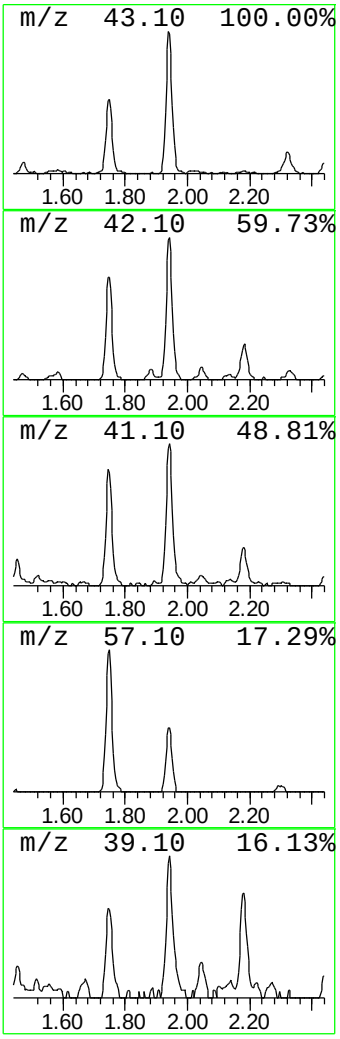
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.94	5.44 ug/L	57823	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	78
4	Pentane	72	C5H12	000109-66-0	72
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

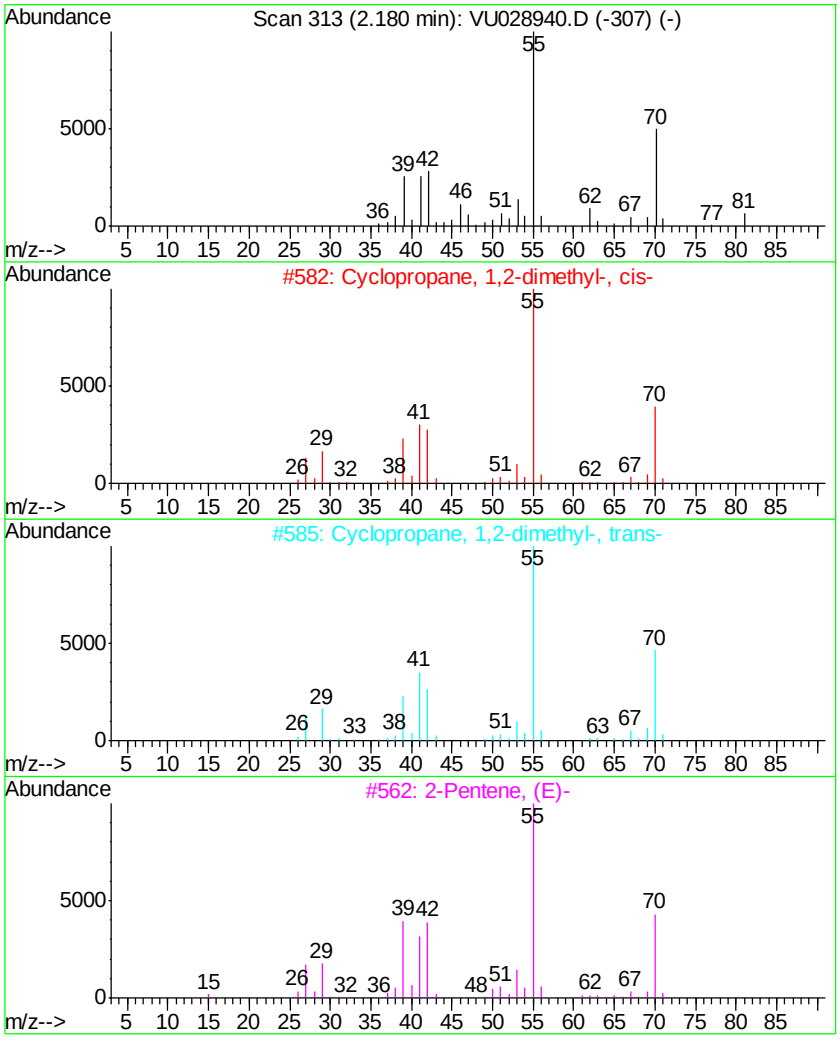
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

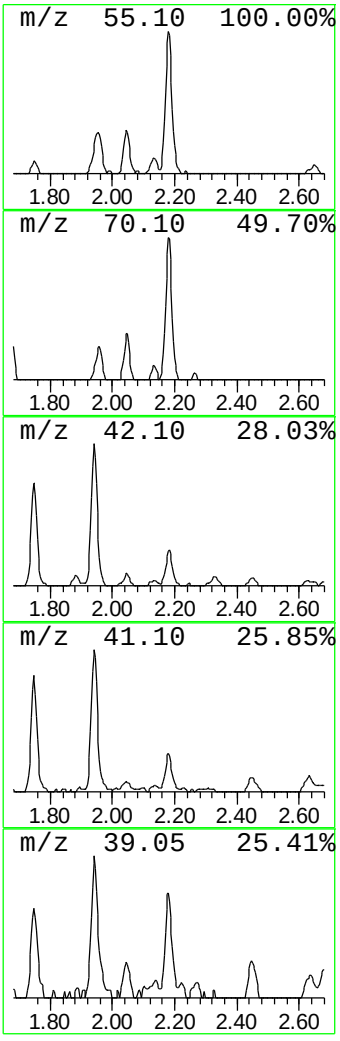
****

Peak Number 3 (DEL) Alkane: Cyclic2.18 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	4.92 ug/L	52266	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	49
2	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	49
3	2-Pentene, (E)-	70	C5H10	000646-04-8	46
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	46
5	2-Butene, 2-methyl-	70	C5H10	000513-35-9	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

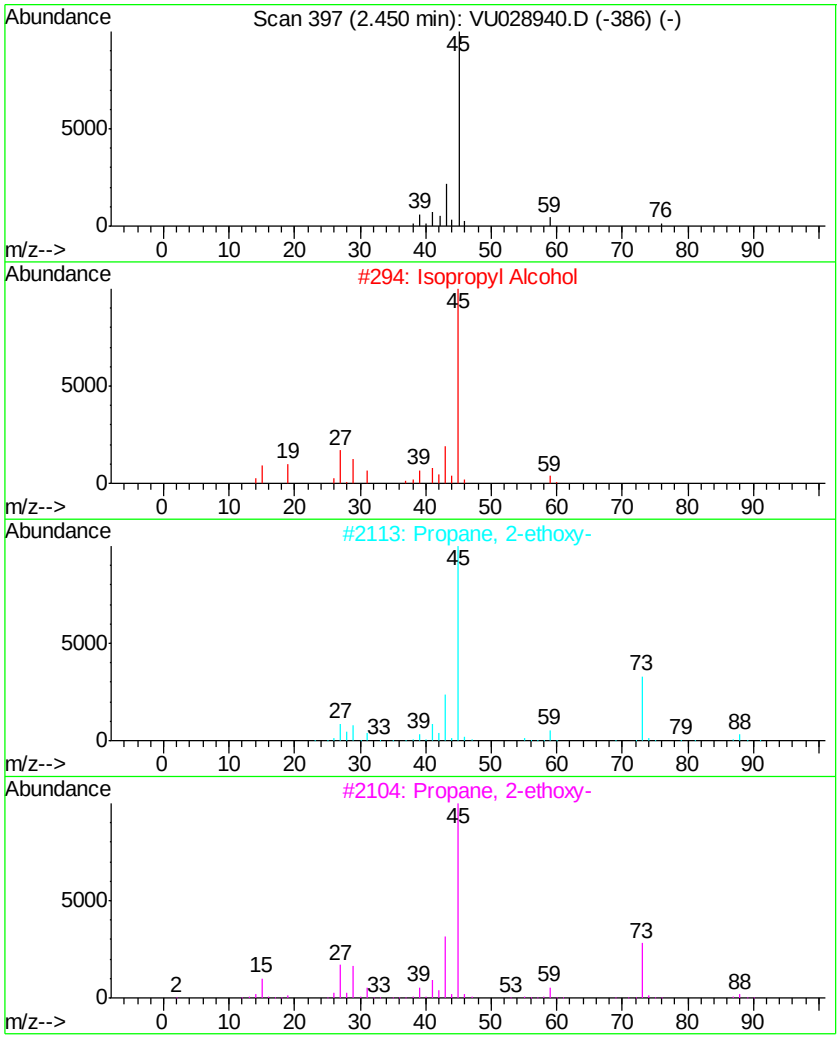
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

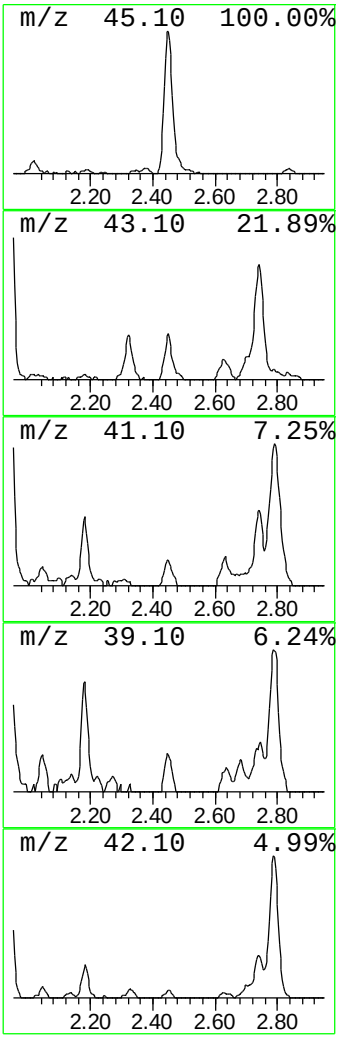
****

Peak Number 4 Isopropyl Alcohol Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.45	3.33 ug/L	35414	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	64
2	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	64
3	Propane, 2-ethoxy-	88	C5H12O	000625-54-7	64
4	(S)-(+)-2-Pentanol	88	C5H12O	026184-62-3	9
5	Isopropyl Alcohol	60	C3H8O	000067-63-0	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

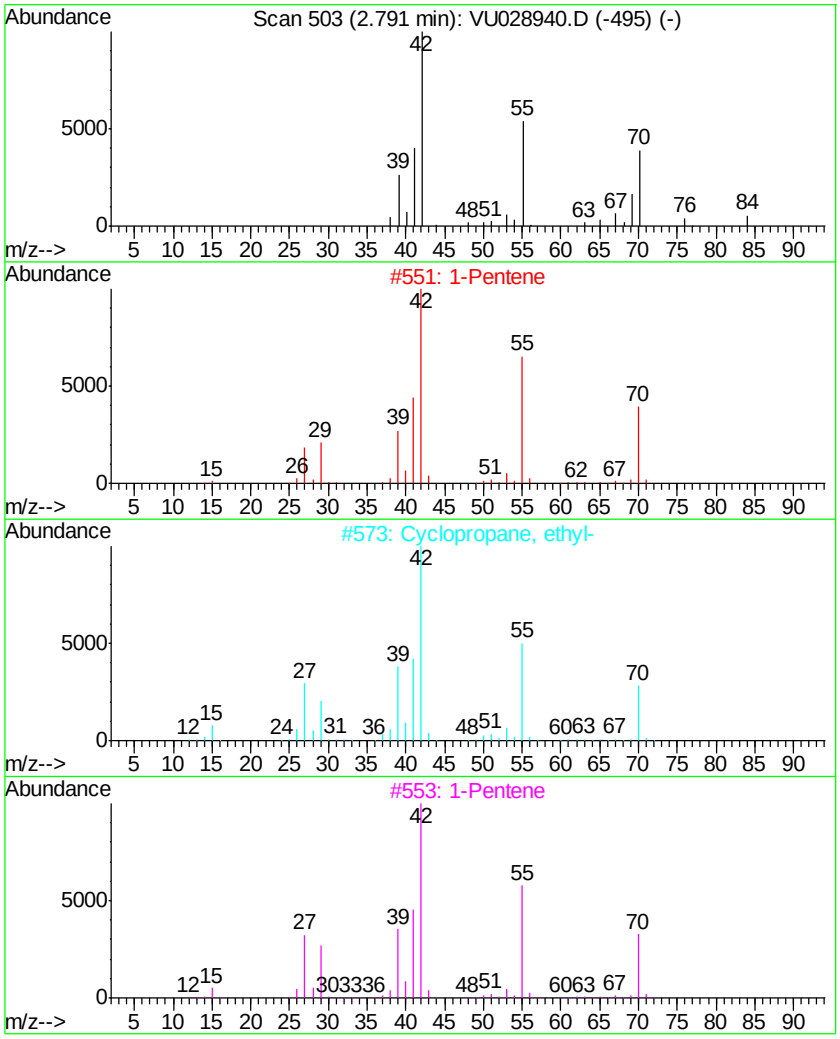
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

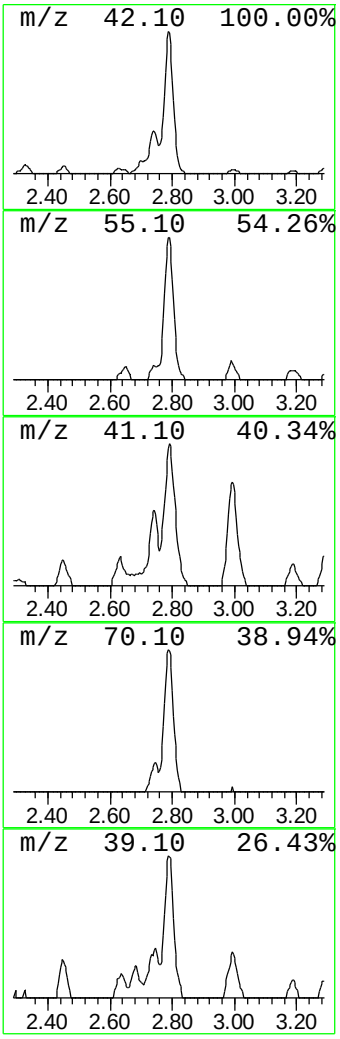
****

Peak Number 5 (DEL) Alkane: Cyclic2.79 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.79	3.10 ug/L	32925	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	80
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	72
3	1-Pentene	70	C5H10	000109-67-1	72
4	Cyclopentane	70	C5H10	000287-92-3	56
5	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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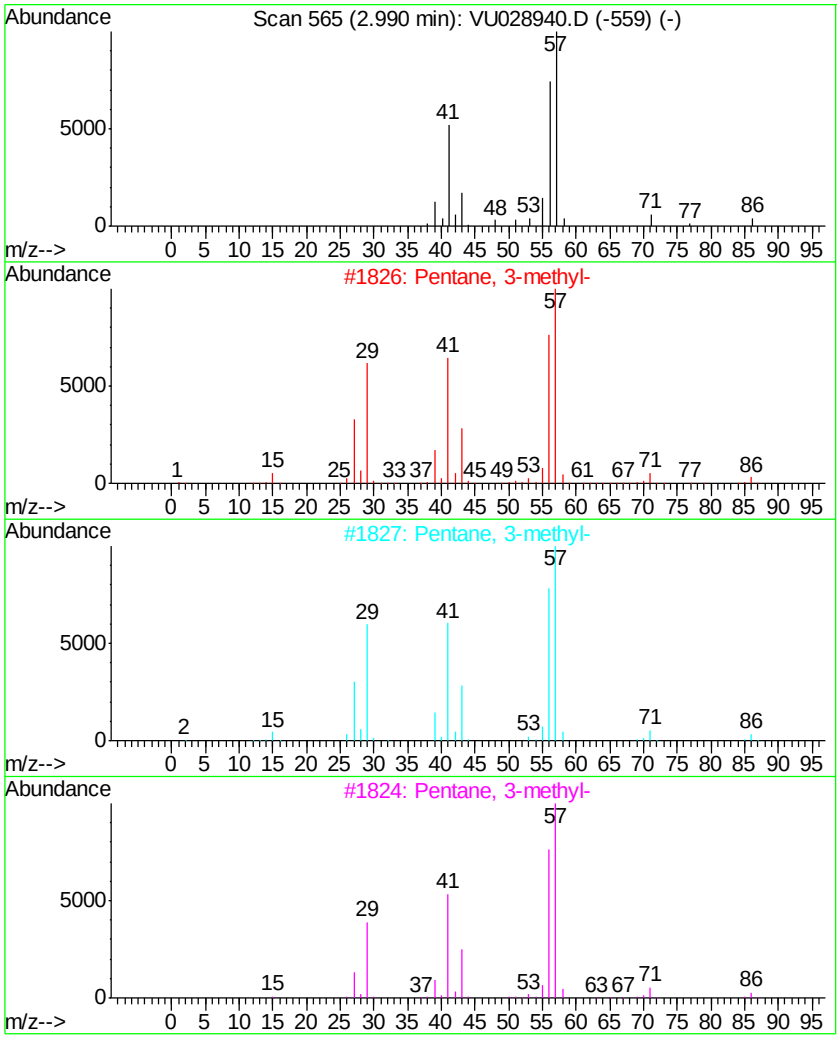
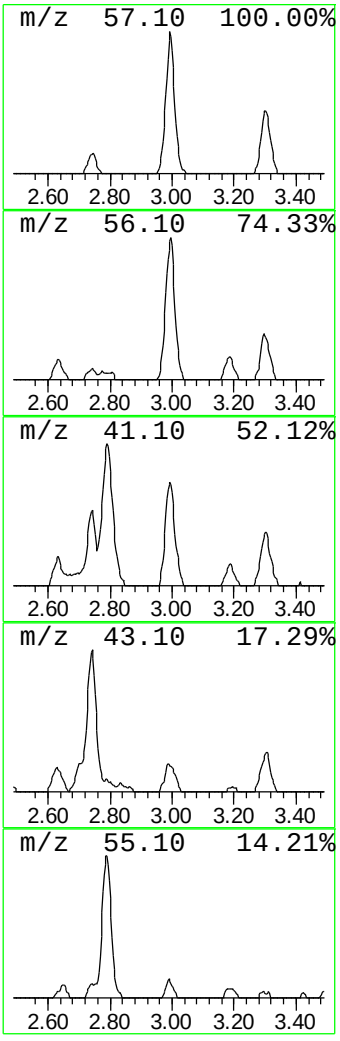
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	2.80 ug/L	29727	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43
5	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	43





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Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

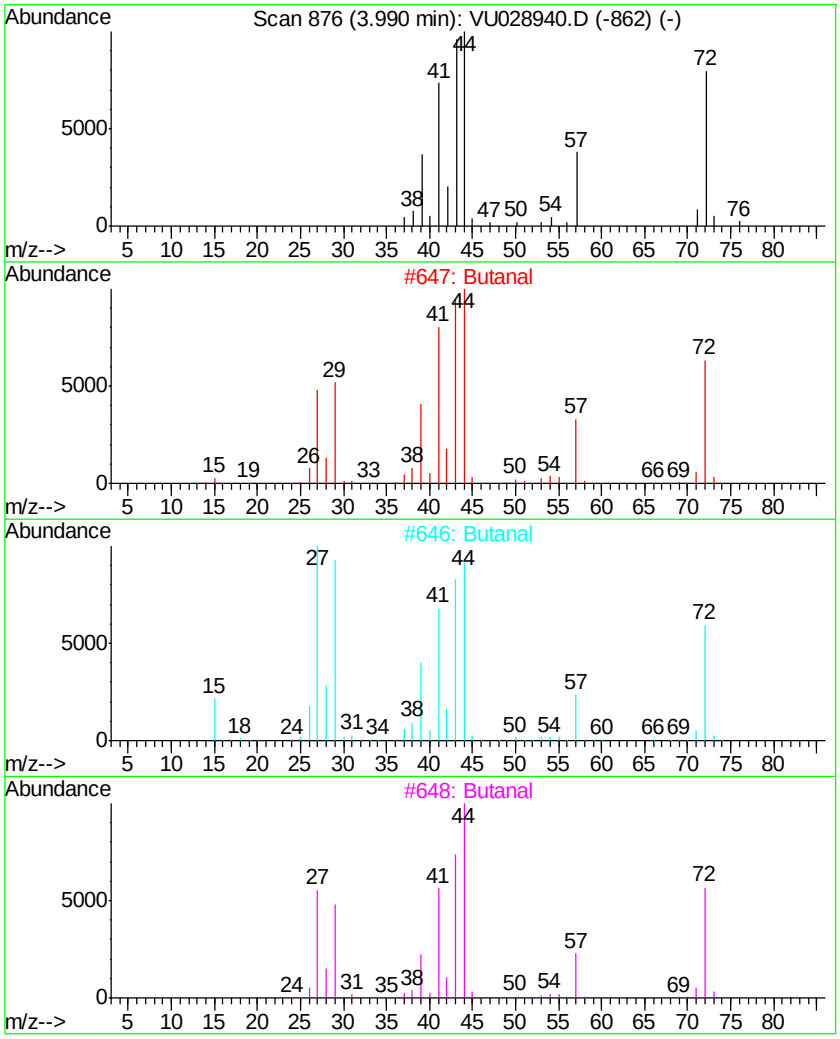
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

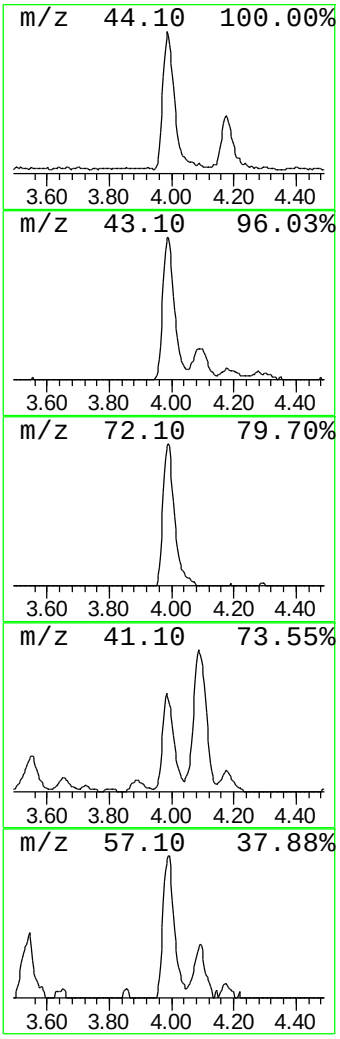
****

Peak Number 7 Butanal Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.99	7.60 ug/L	80770	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	94
2	Butanal	72	C4H8O	000123-72-8	91
3	Butanal	72	C4H8O	000123-72-8	90
4	Butanal	72	C4H8O	000123-72-8	90
5	Ethene, ethoxy-	72	C4H8O	000109-92-2	50





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Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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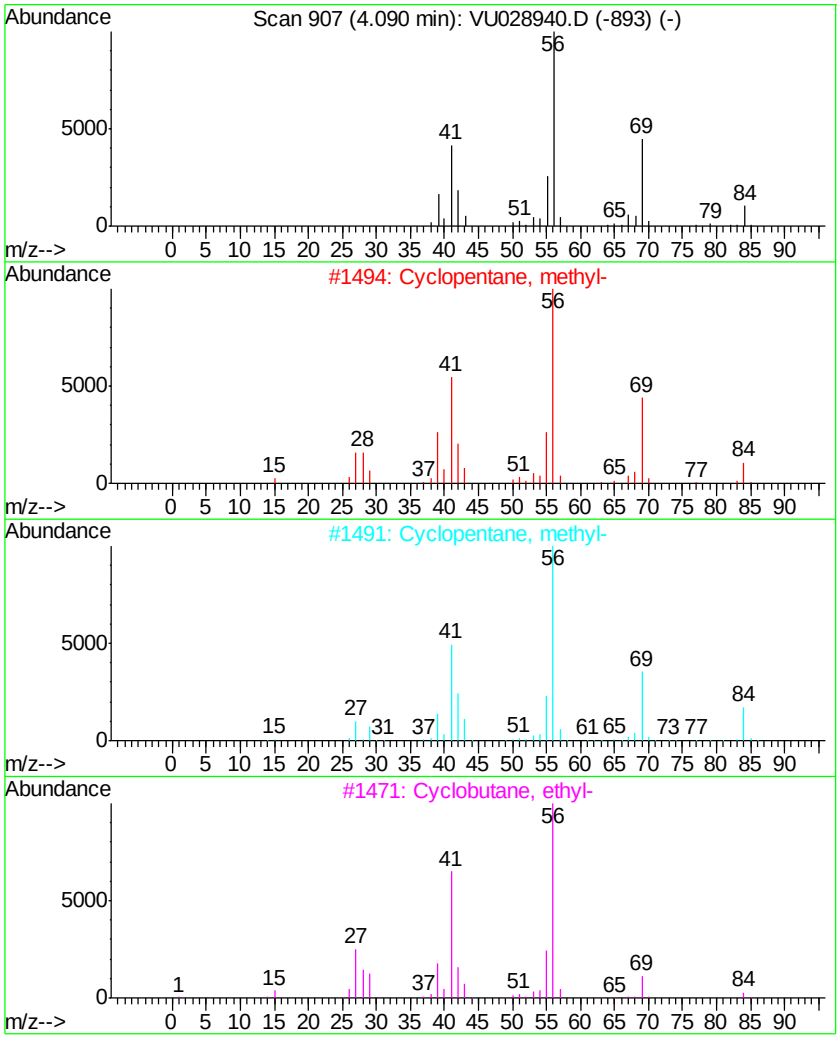
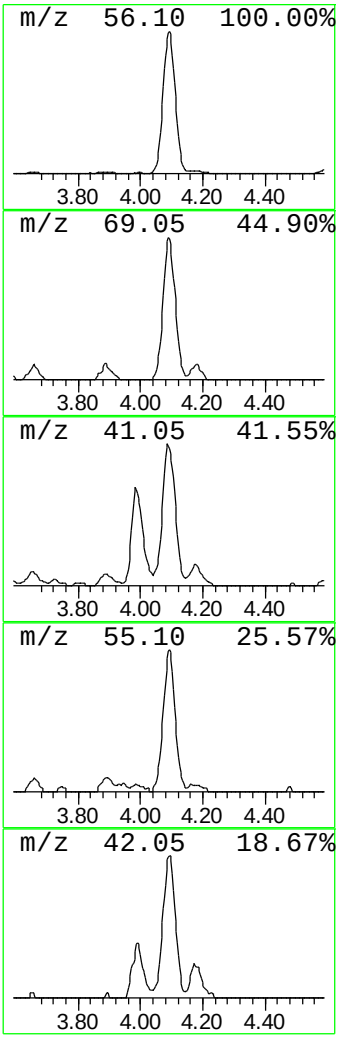
Peak Number 8 (DEL) Alkane: Cyclic4.09 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.09	13.99 ug/L	148657	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	78
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	78
4	Cyclohexane	84	C6H12	000110-82-7	78
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	72





Library Search Compound Report

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Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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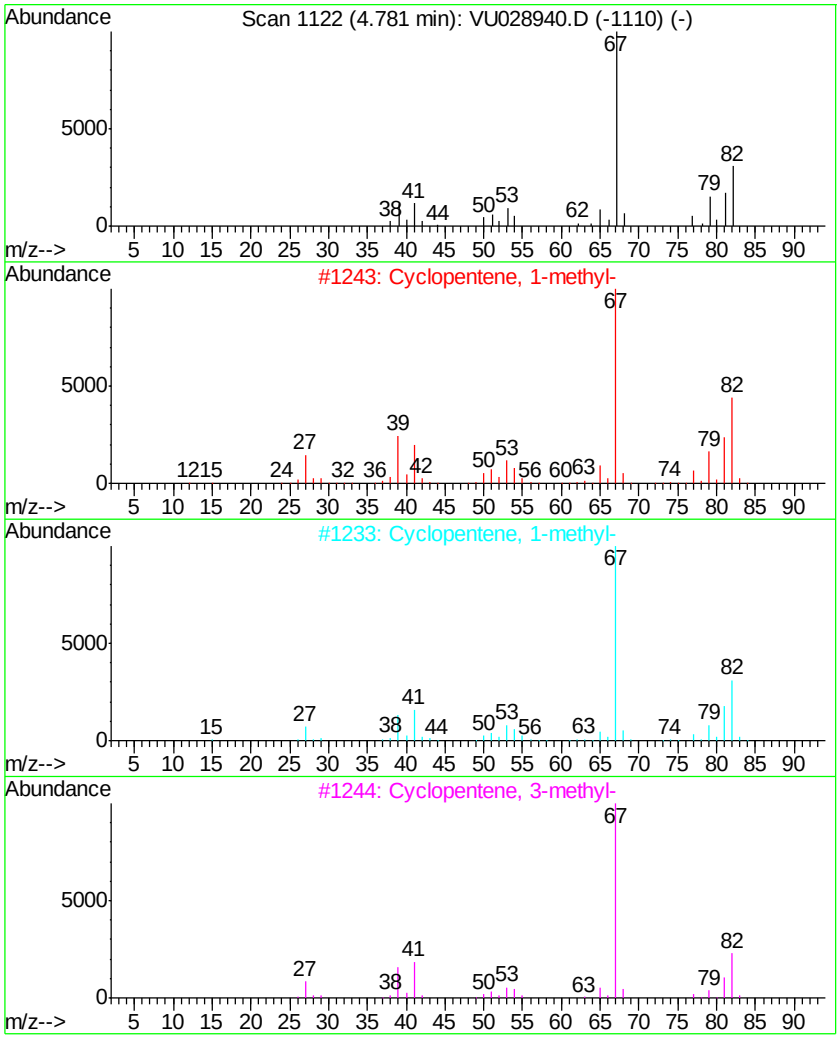
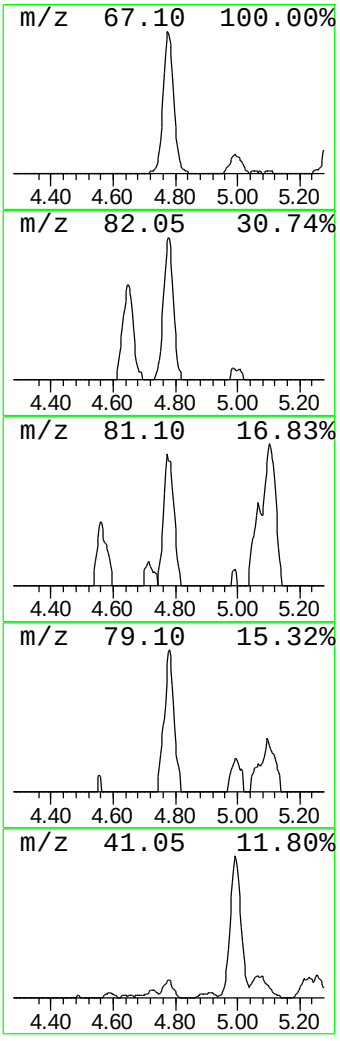
Peak Number 9 Cyclopentene, 1-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	3.92 ug/L	41615	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
2	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86
4	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	86
5	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	86





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Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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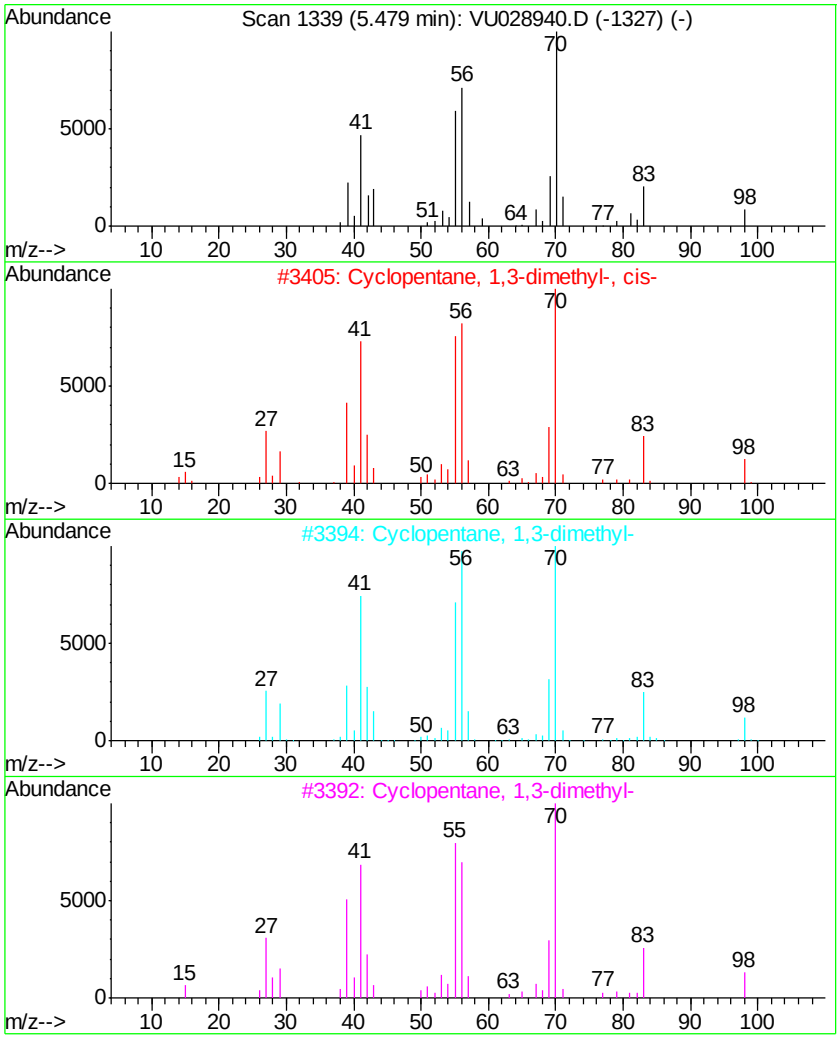
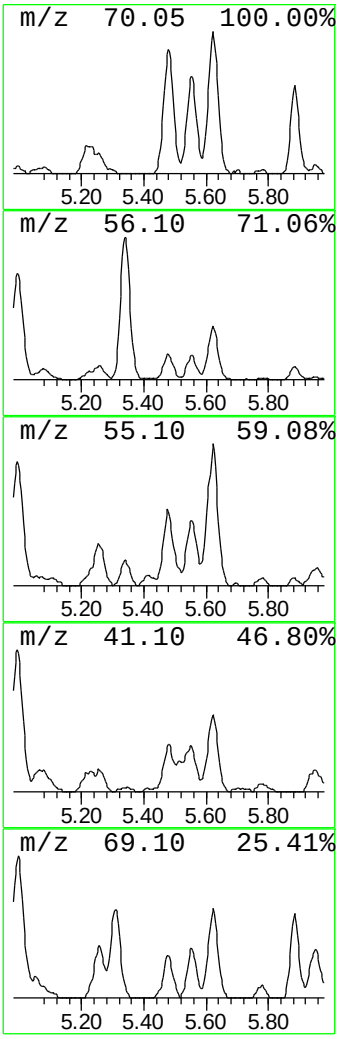
Peak Number 10 (DEL) Alkane: Cyclic5.48 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.48	5.25 ug/L	55820	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	90
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
5	Undecane, 3-methylene-	168	C12H24	071138-64-2	59





Library Search Compound Report

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Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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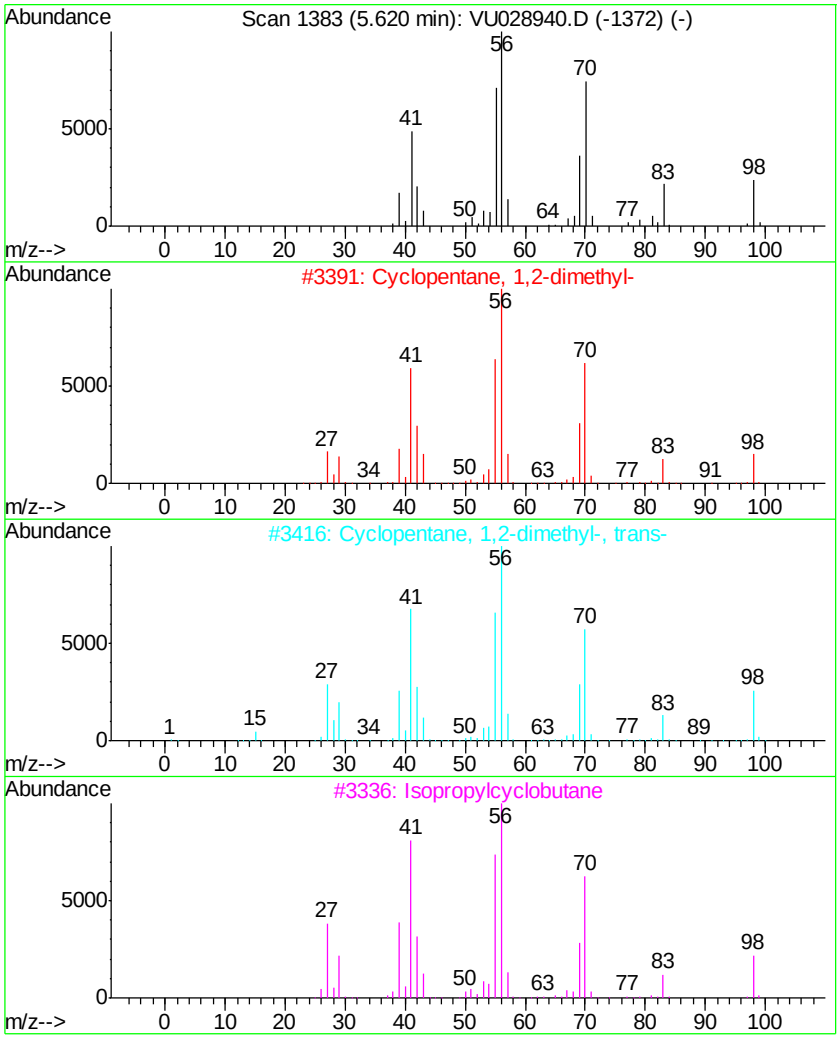
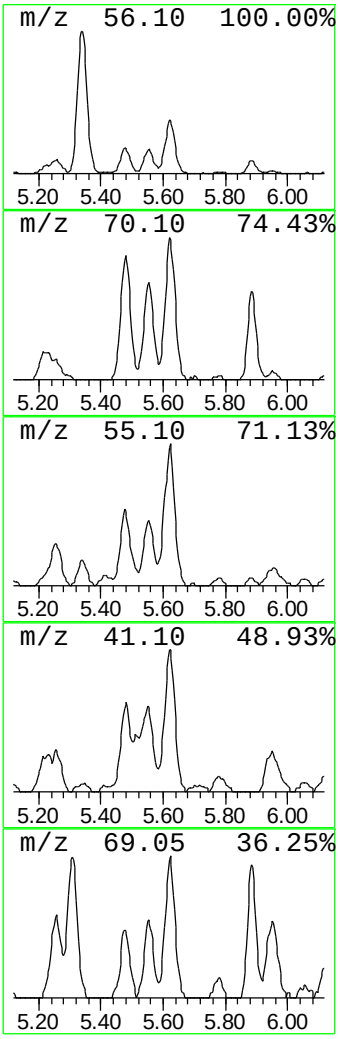
Peak Number 11 (DEL) Alkane: Cyclic5.62 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	9.50 ug/L	100941	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3	Isopropylcyclobutane	98	C7H14	000872-56-0	90
4	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	87
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	78





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Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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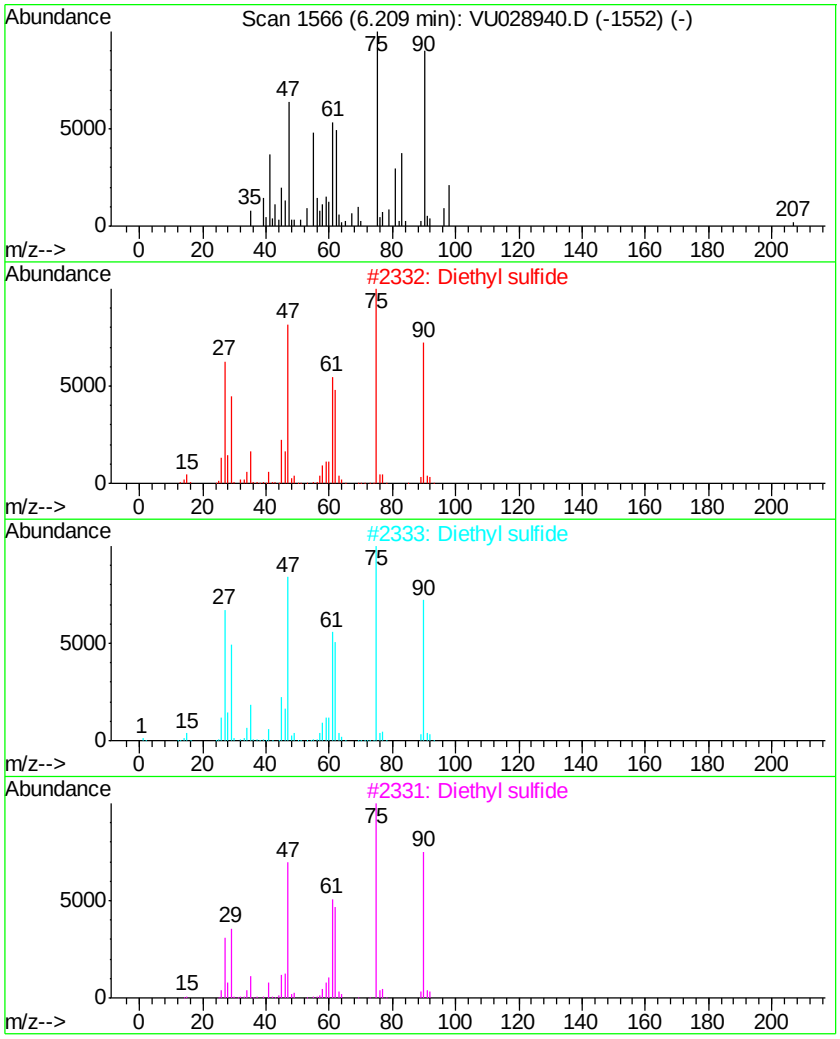
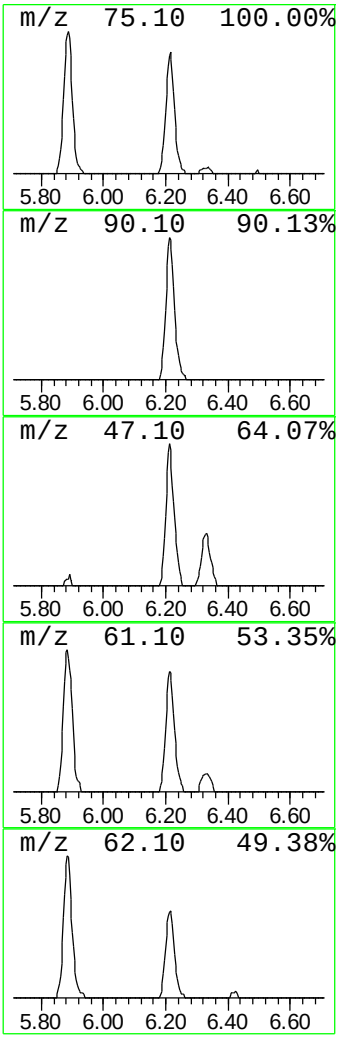
Peak Number 12 Diethyl sulfide Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.21	7.66 ug/L	81418	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl sulfide	90	C4H10S	000352-93-2	97
2	Diethyl sulfide	90	C4H10S	000352-93-2	97
3	Diethyl sulfide	90	C4H10S	000352-93-2	96
4	Diethyl sulfide	90	C4H10S	000352-93-2	95
5	Propylene ozonide	90	C3H6O3	038787-96-1	28





Library Search Compound Report

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Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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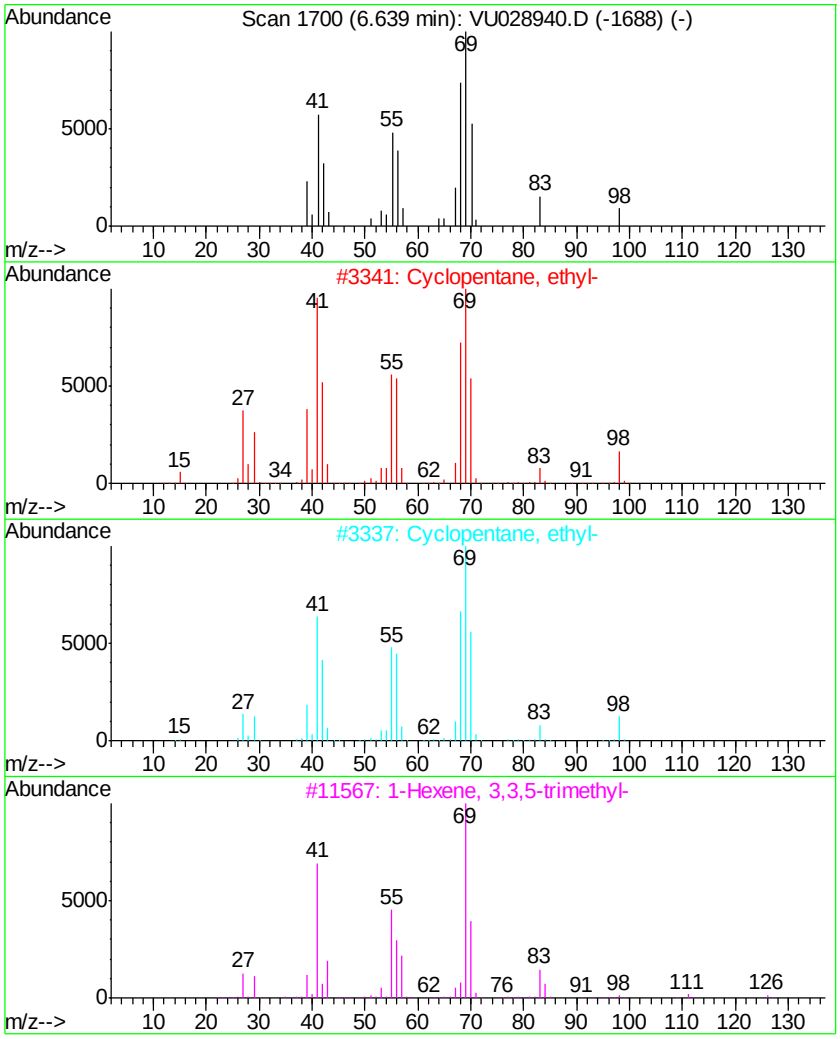
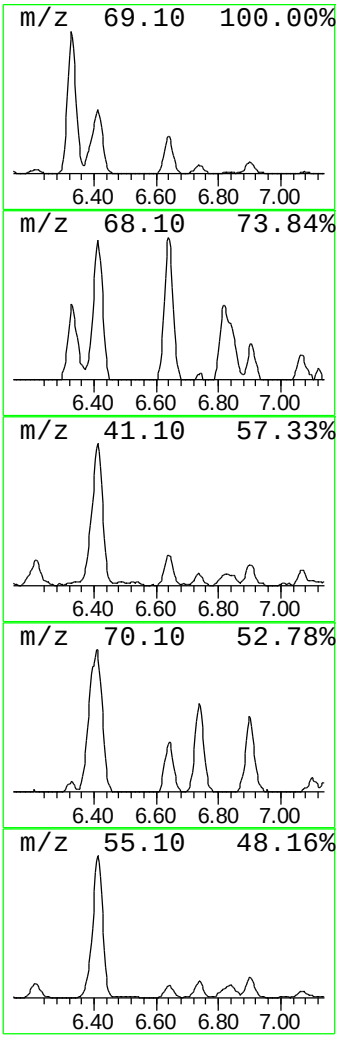
Peak Number 13 (DEL) Alkane: Cyclic6.64 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	3.62 ug/L	38450	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	90
2	Cyclopentane, ethyl-	98	C7H14	001640-89-7	81
3	1-Hexene, 3,3,5-trimethyl-	126	C9H18	013427-43-5	47
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	38
5	Isoxazole	69	C3H3NO	000288-14-2	37





Library Search Compound Report

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Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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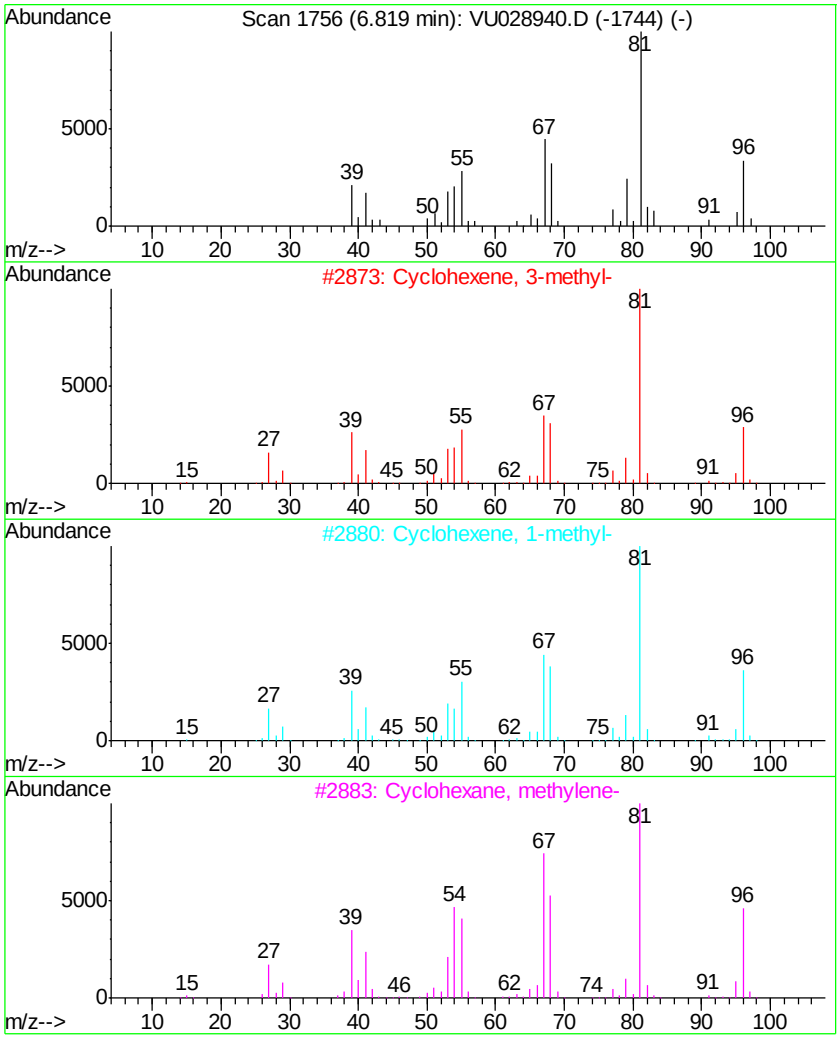
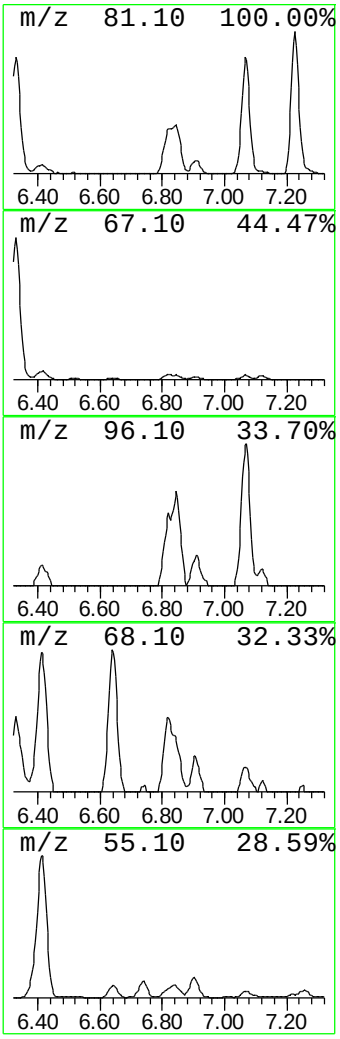
Peak Number 14 Cyclohexene, 3-methyl- Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.82	2.65 ug/L	28118	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	95
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	95
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	90
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	90
5	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	87





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Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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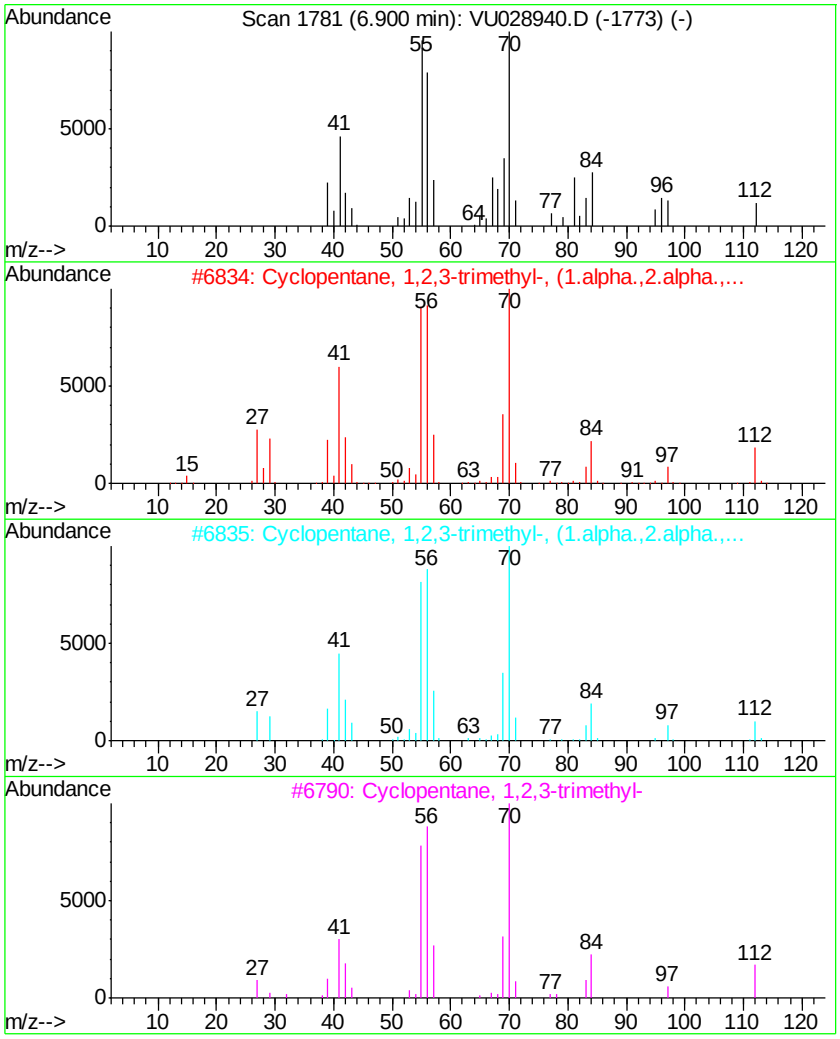
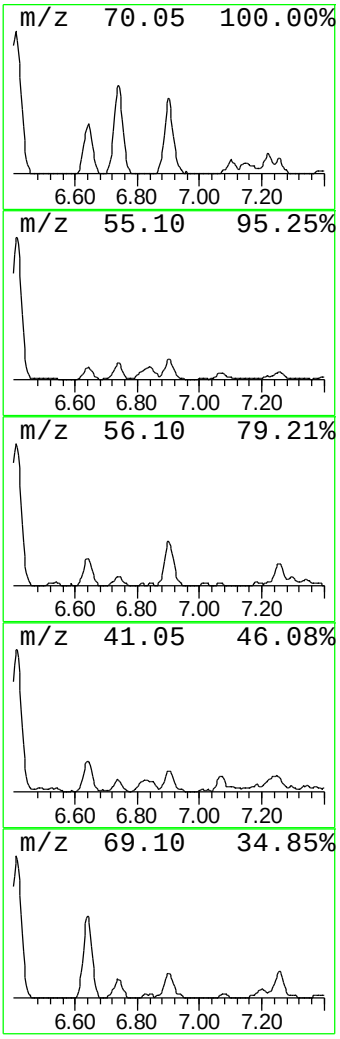
Peak Number 15 (DEL) Alkane: Cyclic6.90 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.90	4.29 ug/L	45571	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	81
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	76
3	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	76
4	cis-1-Butyl-2-methylcyclopropane	112	C8H16	038851-69-3	59
5	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	59





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Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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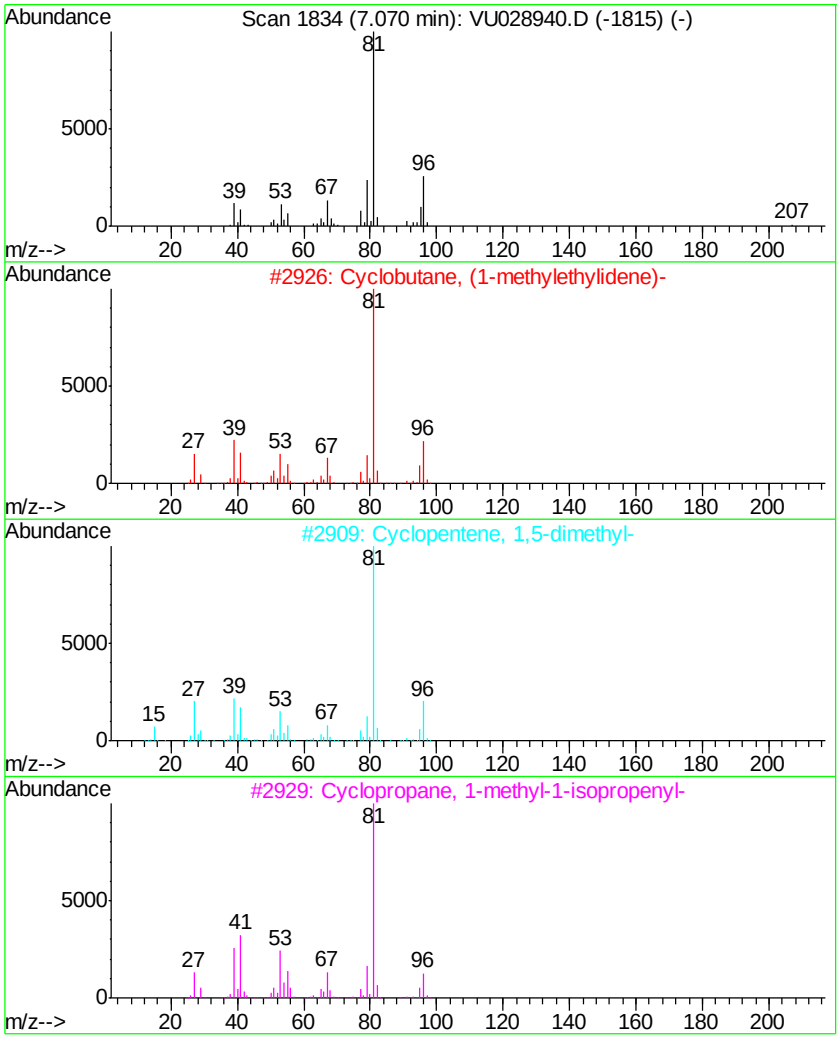
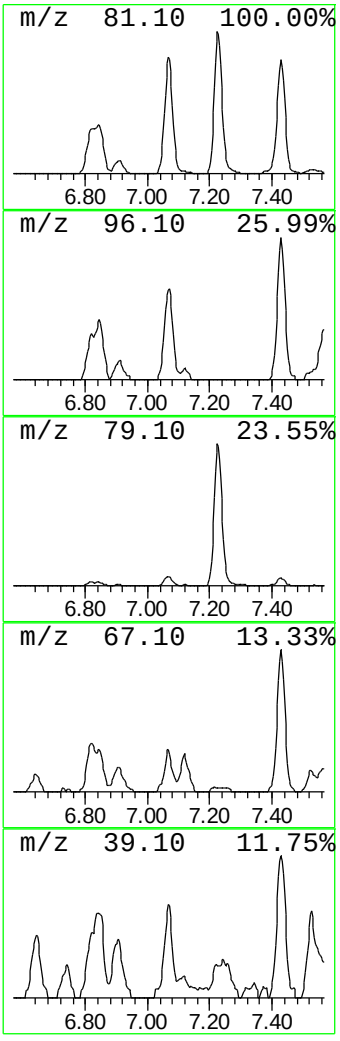
Peak Number 16 Cyclobutane, (1-methylethyl... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	5.83 ug/L	61976	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	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	87
3	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	78
4	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	78
5	1,4-Pentadiene, 3,3-dimethyl-	96	C7H12	001112-35-2	72





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Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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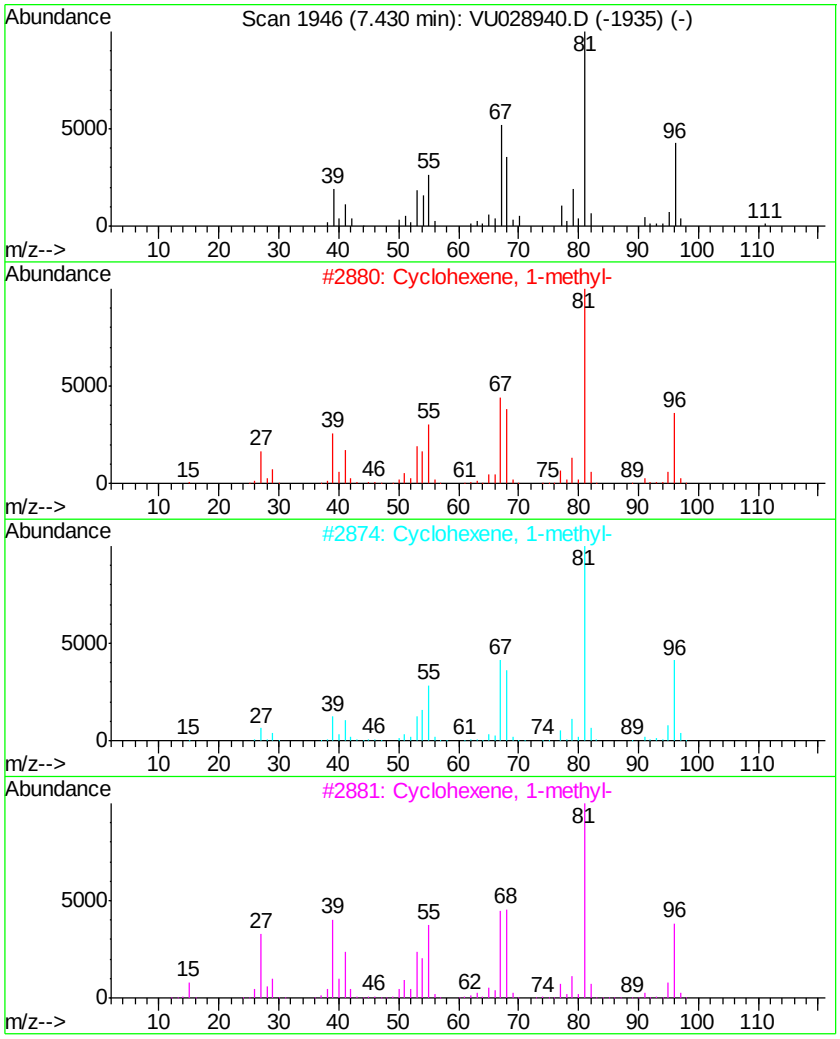
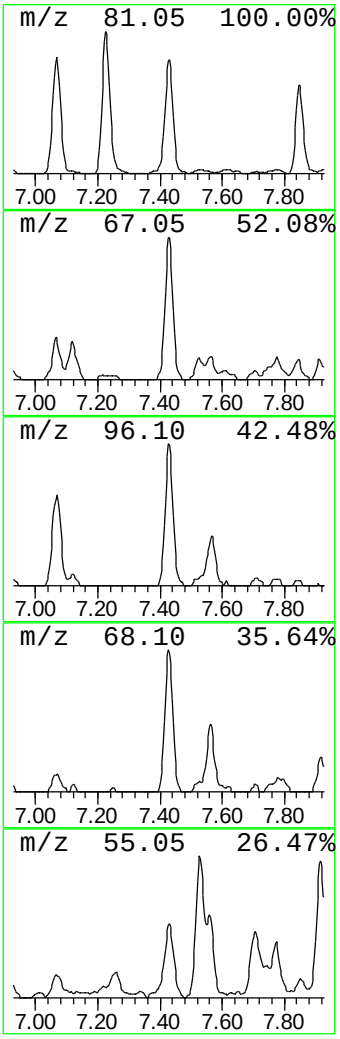
Peak Number 18 Cyclohexene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	8.79 ug/L	93395	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	95
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	90
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	90
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	86
5	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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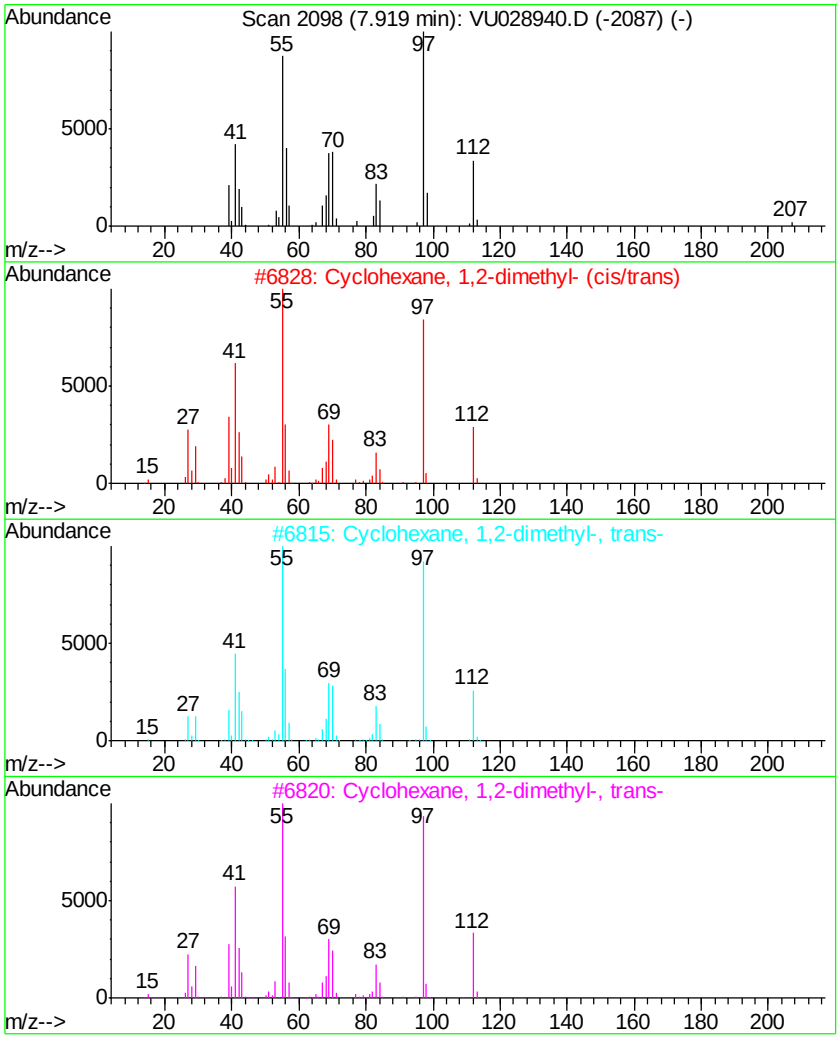
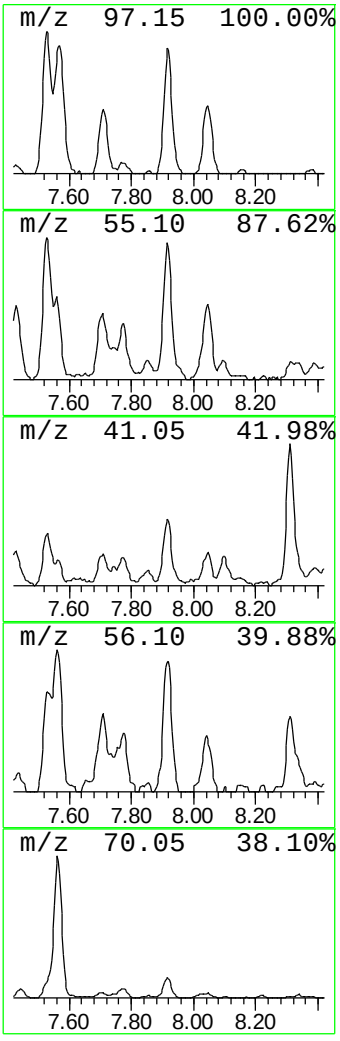
Peak Number 19 (DEL) Alkane: Cyclic7.92 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	5.83 ug/L	72867	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	95
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91





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Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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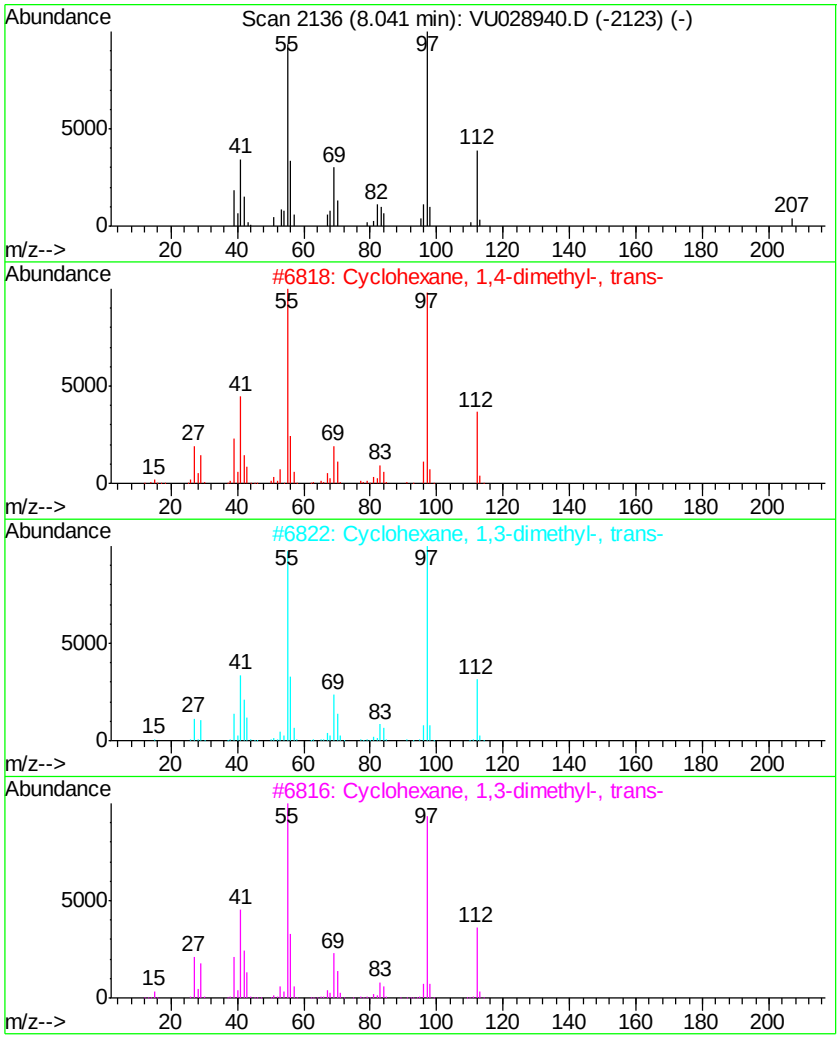
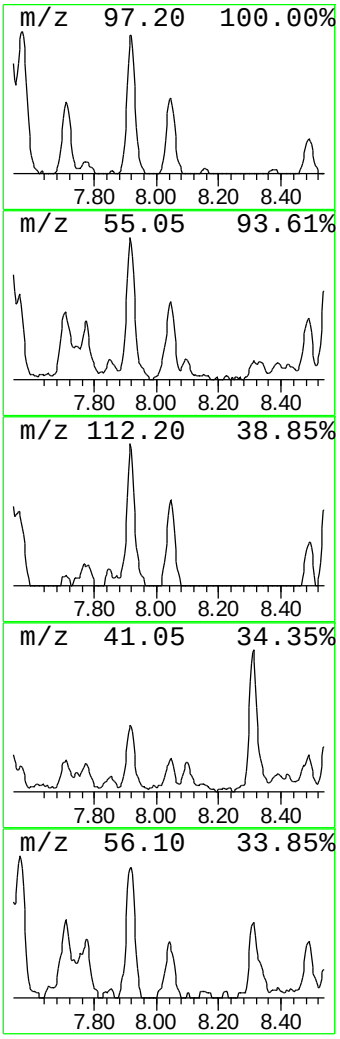
Peak Number 20 (DEL) Alkane: Cyclic8.04 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	2.58 ug/L	32285	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	94
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	90
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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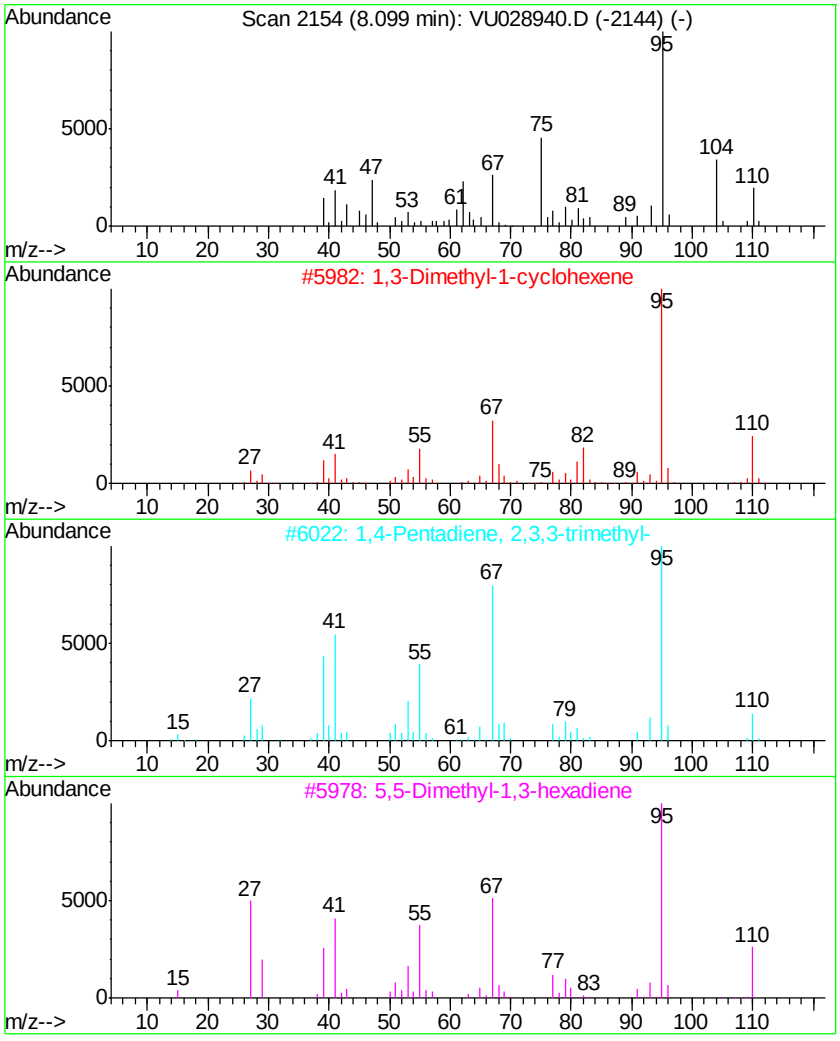
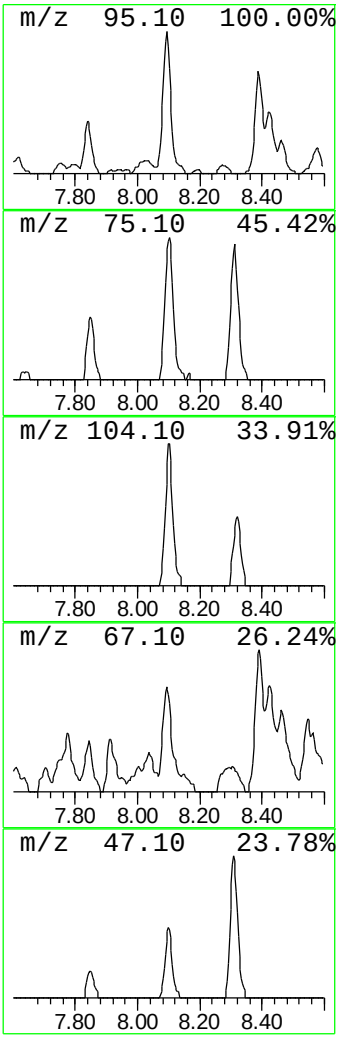
Peak Number 21 unknown-01 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.10	3.61 ug/L	45124	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	38
2	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	38
3	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	38
4	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	38
5	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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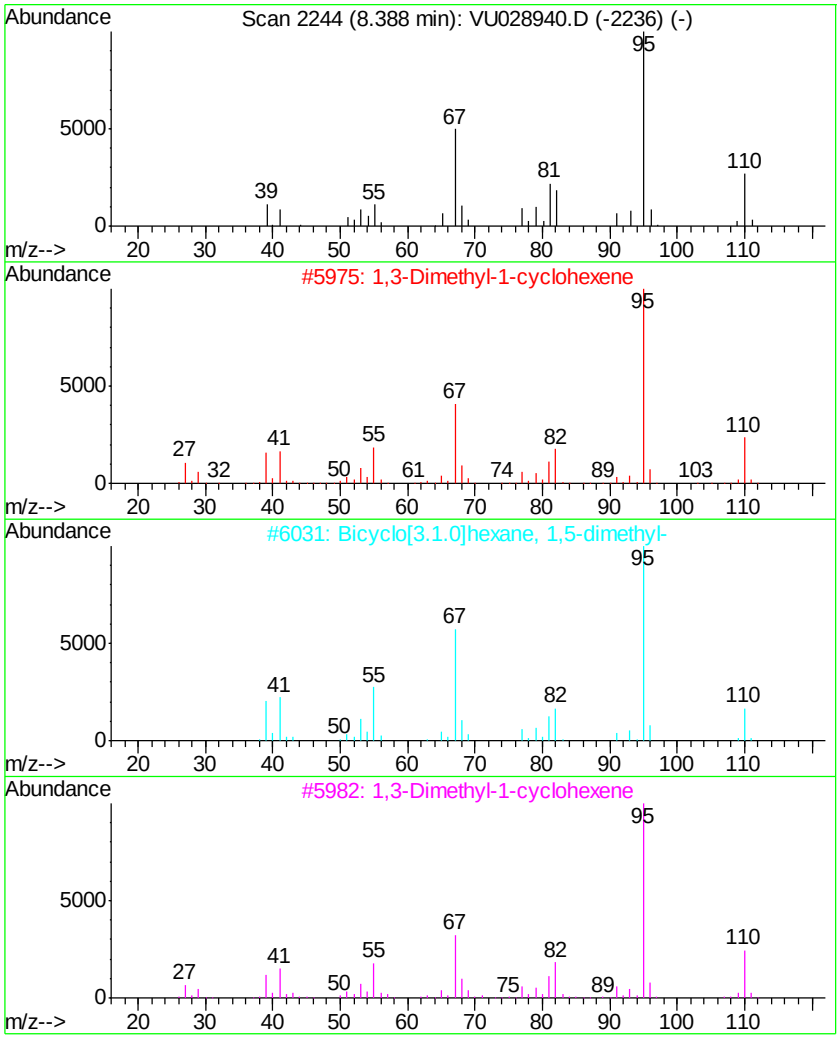
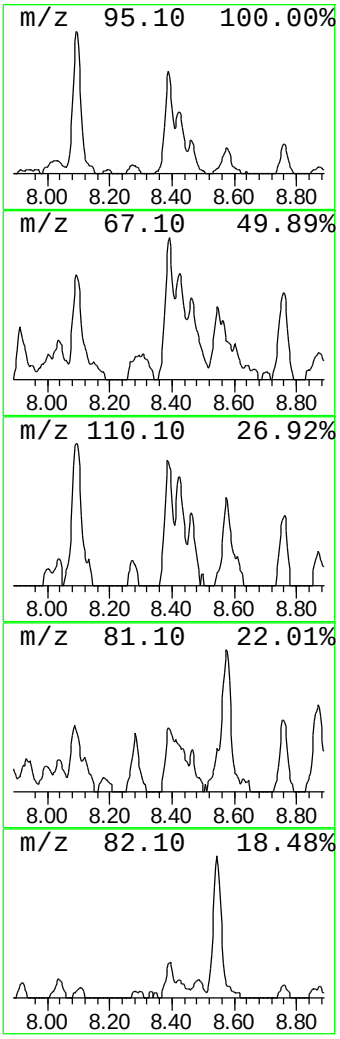
Peak Number 22 1,3-Dimethyl-1-cyclohexene Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	2.72 ug/L	34009	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	94
2	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	91
3	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	90
4	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	90
5	Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	091884-67-2	86





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Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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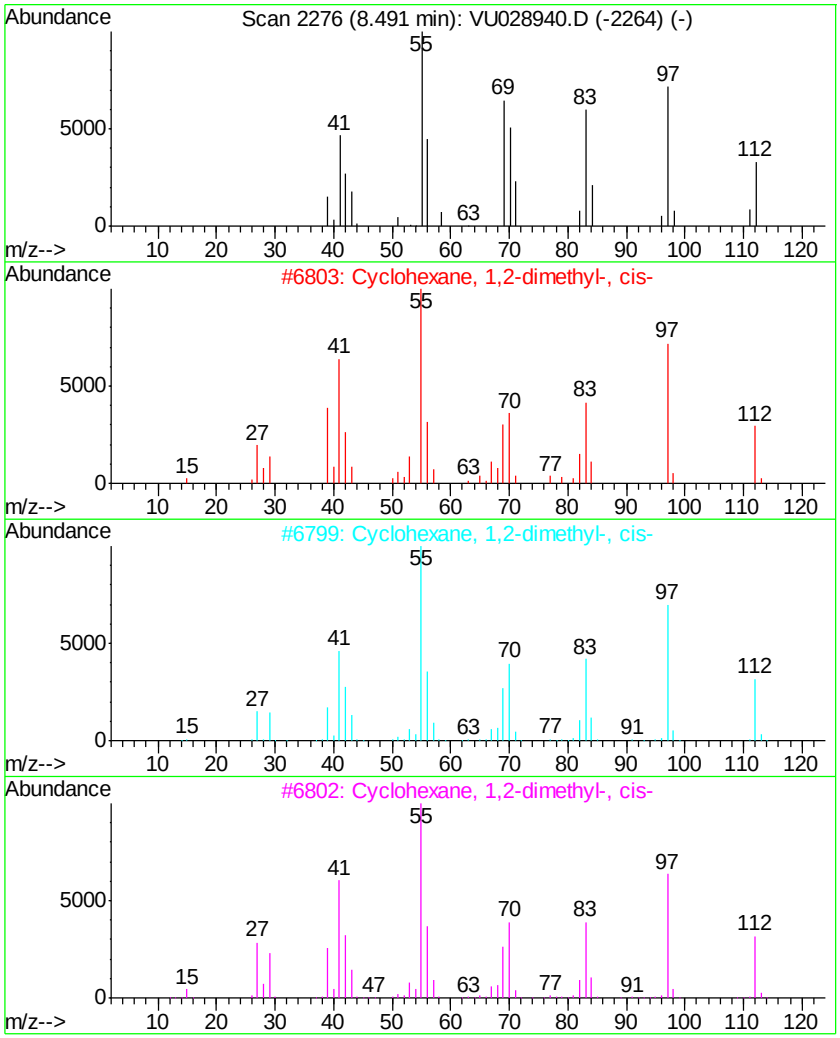
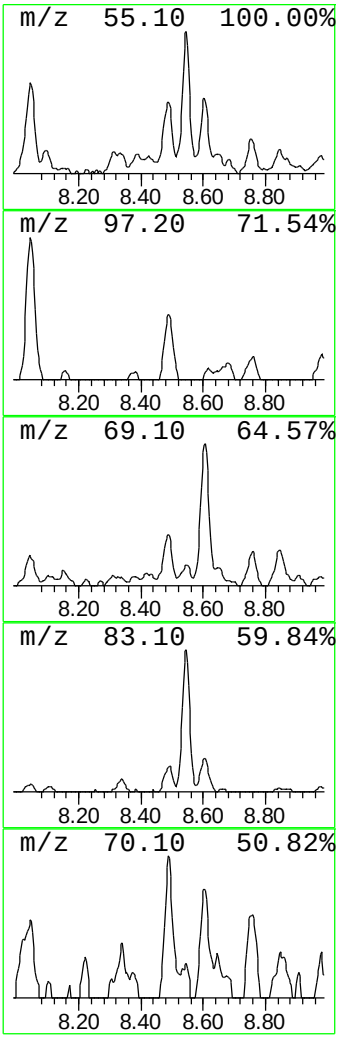
Peak Number 23 (DEL) Alkane: Cyclic8.49 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	3.23 ug/L	40395	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	87
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	83
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	74
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	58
5	Cycloheptane, methyl-	112	C8H16	004126-78-7	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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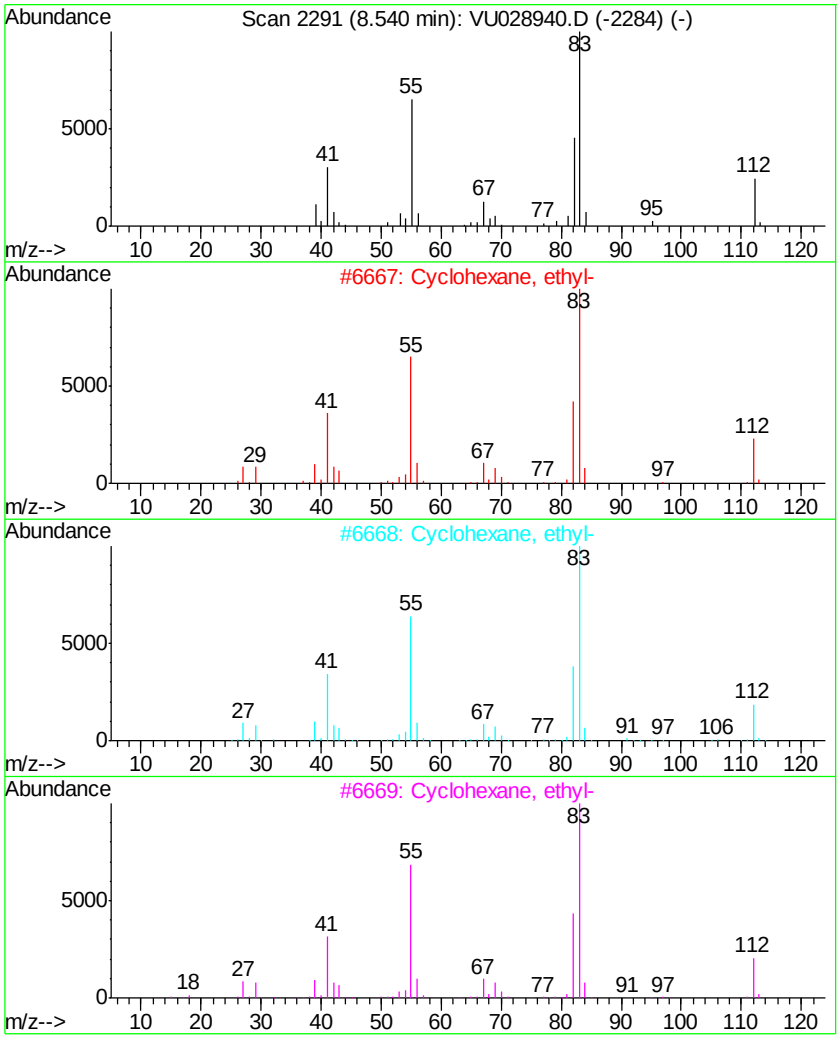
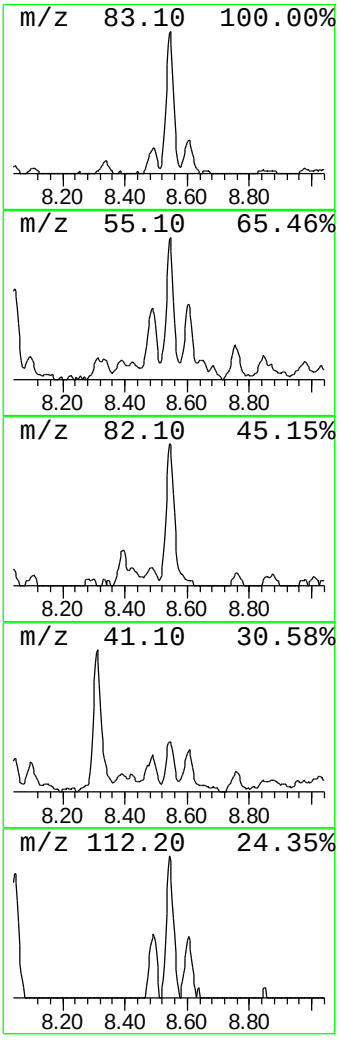
Peak Number 24 (DEL) Alkane: Cyclic8.54 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	3.49 ug/L	43580	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	78
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	72
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	70





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Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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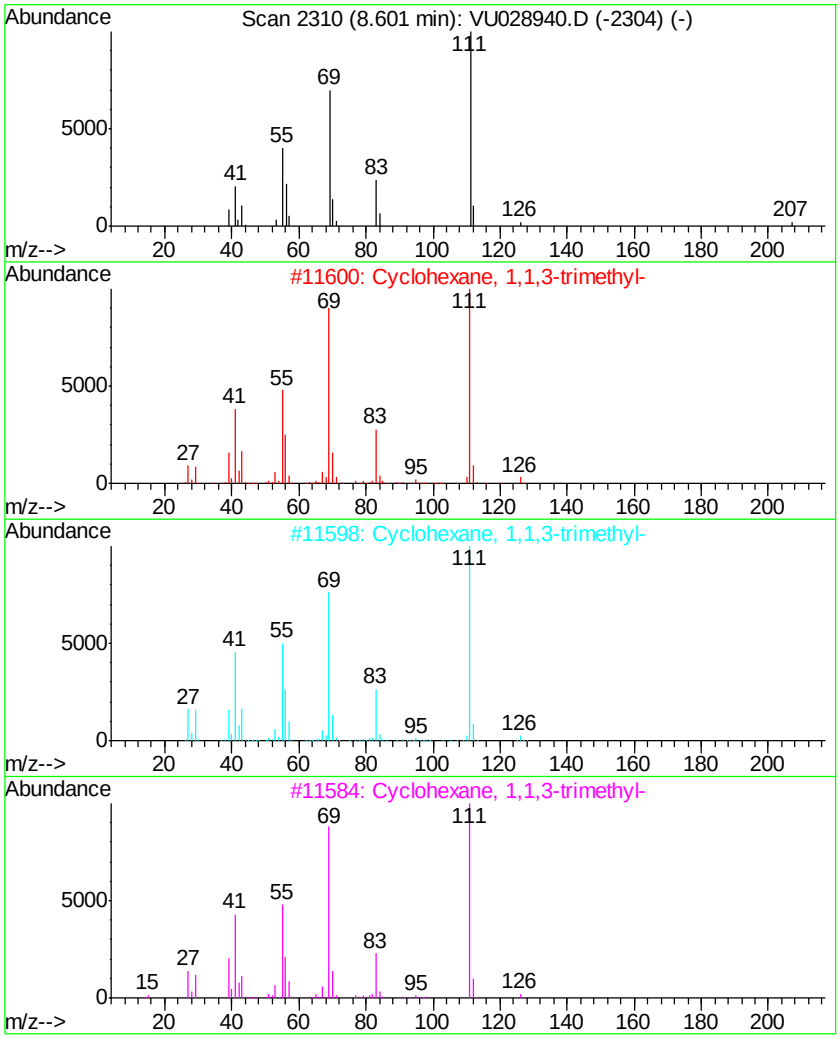
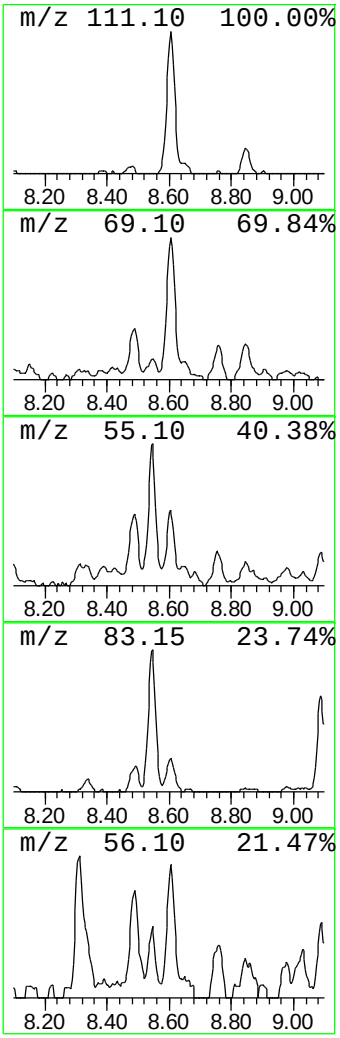
Peak Number 25 (DEL) Alkane: Cyclic8.60 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	3.05 ug/L	38080	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	58
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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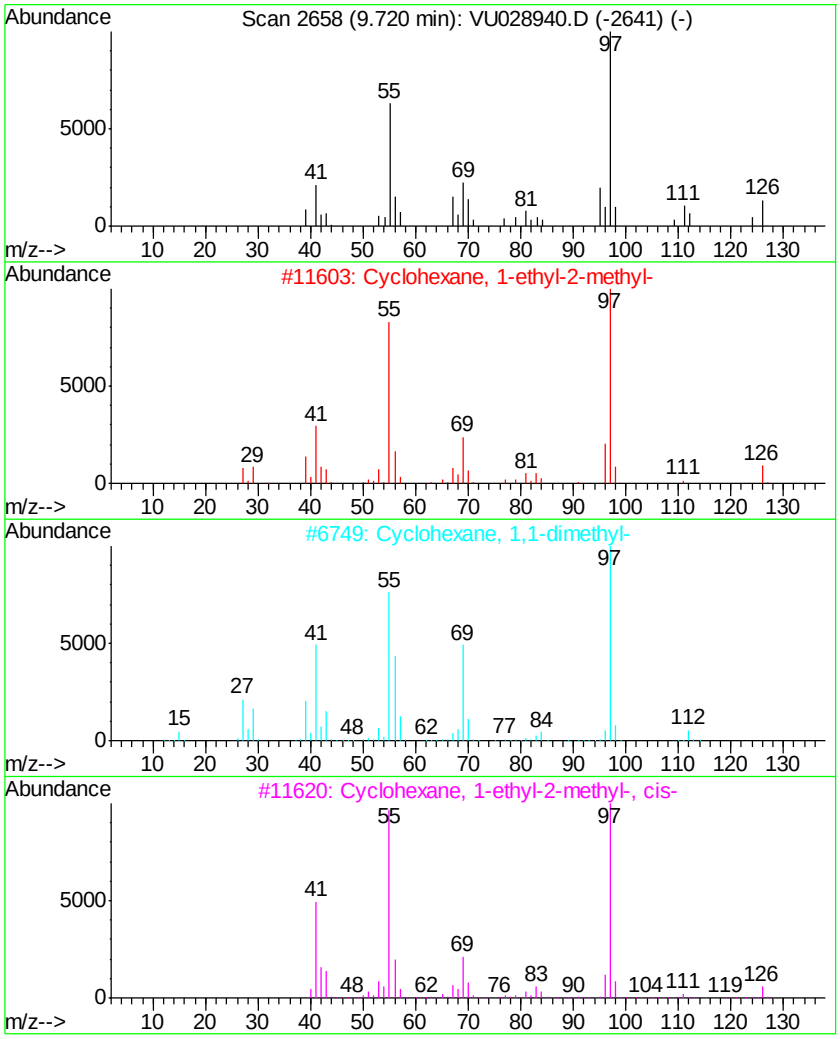
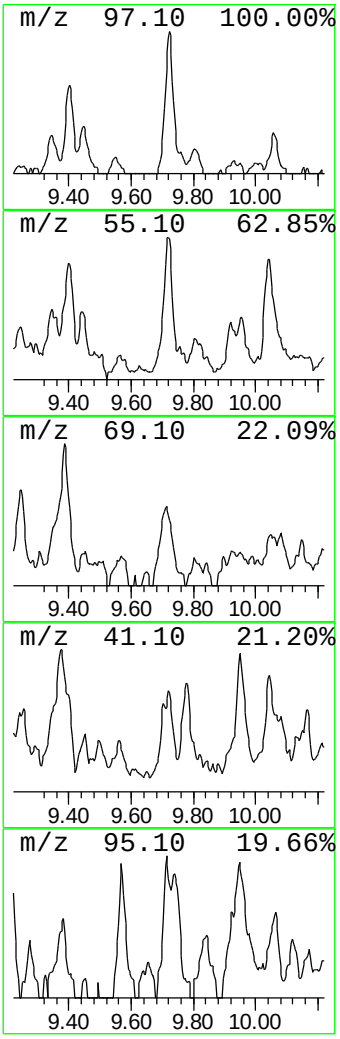
Peak Number 26 (DEL) Alkane: Cyclic9.72 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.72	2.58 ug/L	32200	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	70
2	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	59
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	53
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	53
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

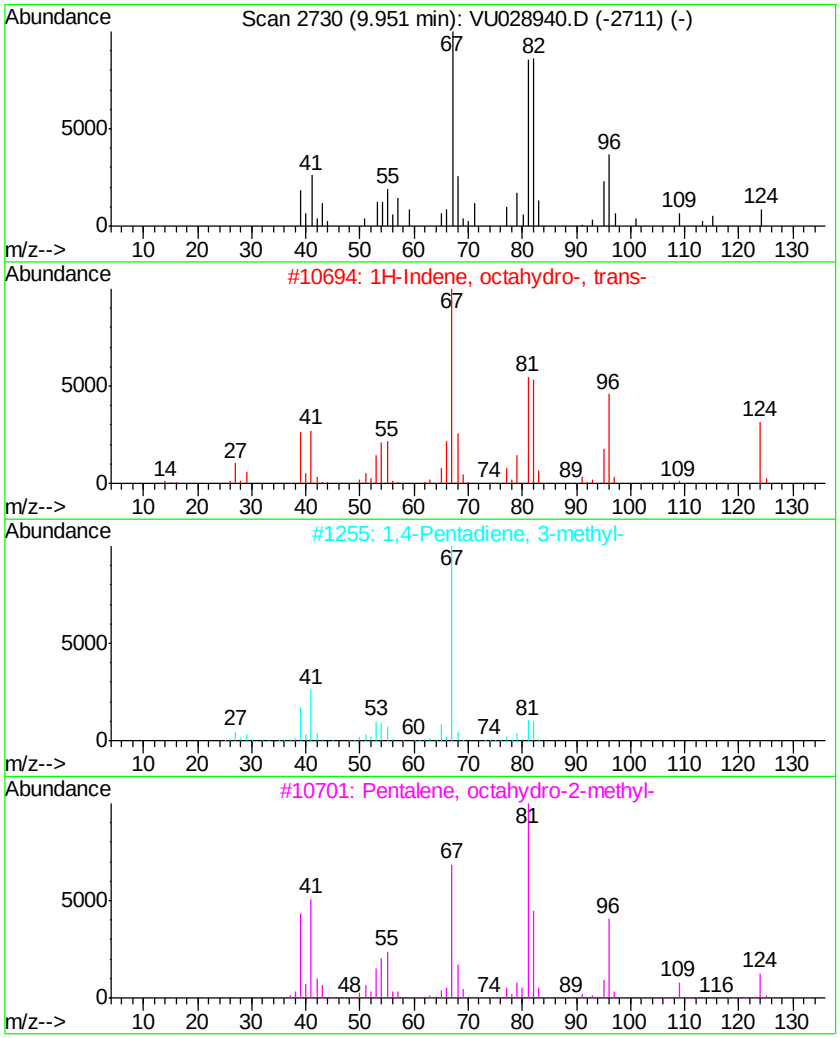
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

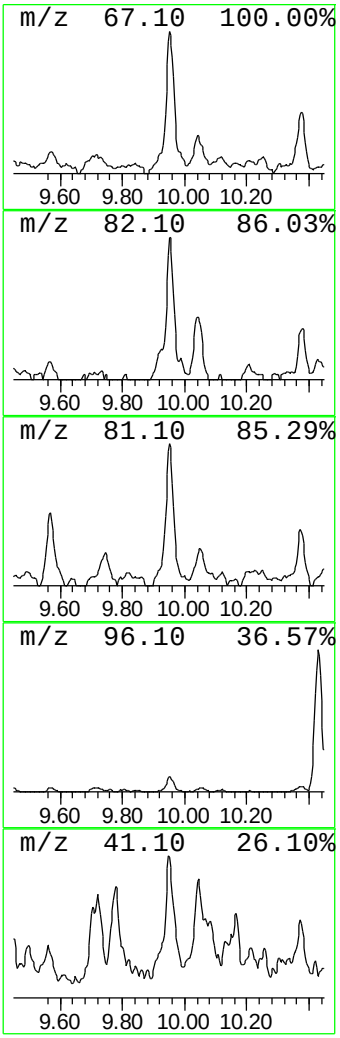
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 1H-Indene, octahydro-, trans- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	4.00 ug/L	50045	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	87
2	1,4-Pentadiene, 3-methyl-	82	C6H10	001115-08-8	59
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	46
4	Cyclohexene,1-propyl-	124	C9H16	002539-75-5	43
5	3,4-Nonadiene	124	C9H16	037050-03-6	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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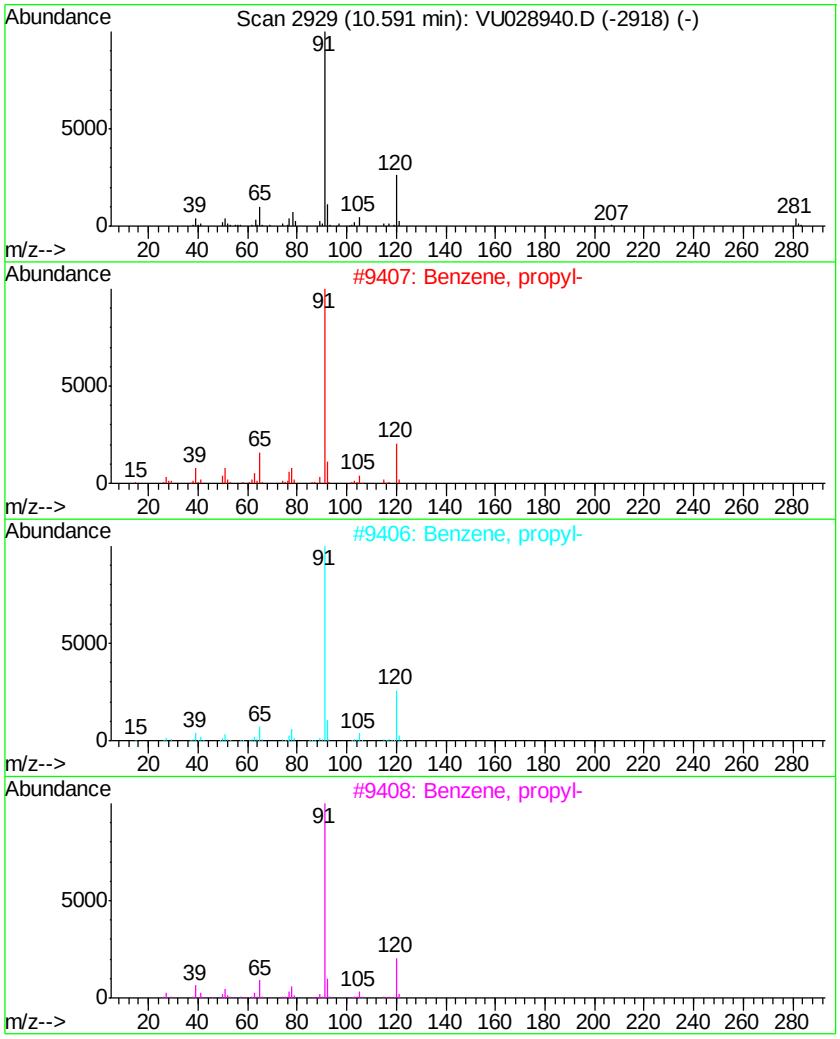
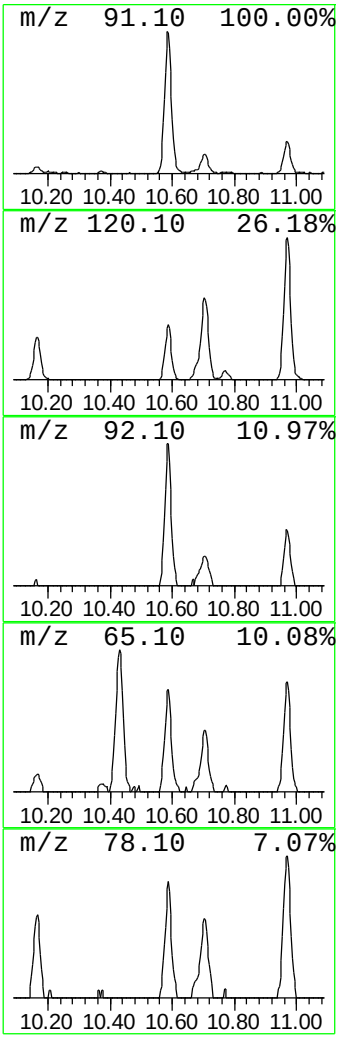
Peak Number 28 Benzene, propyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	6.21 ug/L	74650	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	87
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5	n-Butylbenzylamine	163	C11H17N	002403-22-7	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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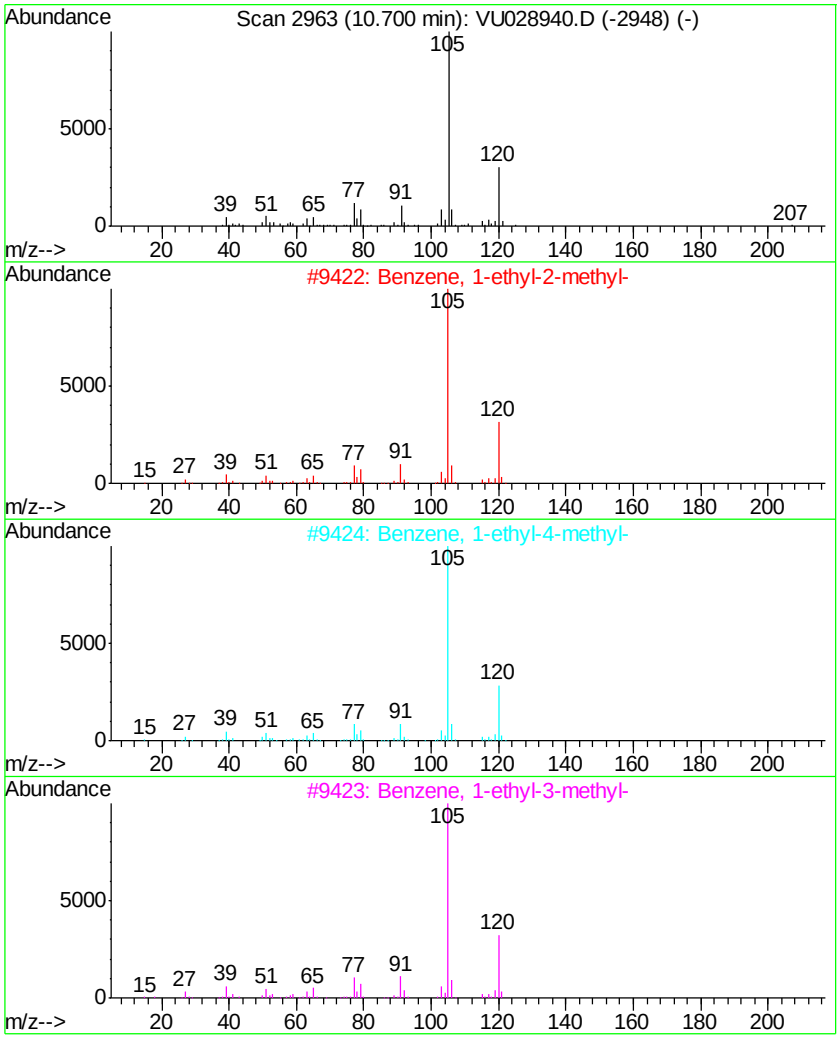
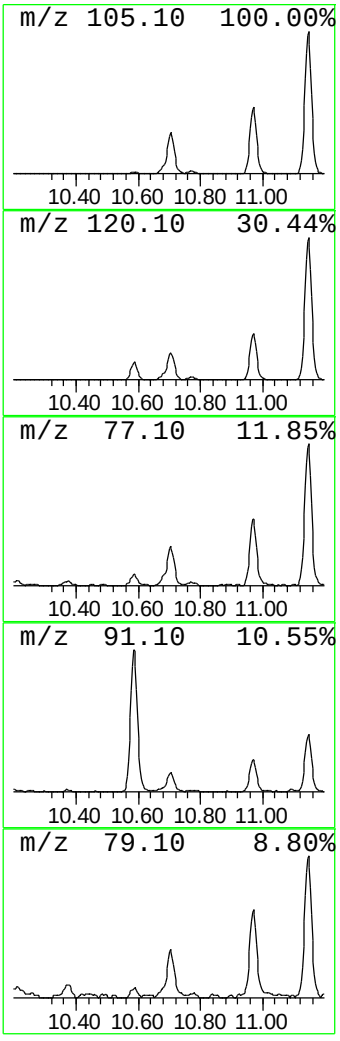
Peak Number 29 Benzene, 1-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	10.12 ug/L	121678	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-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

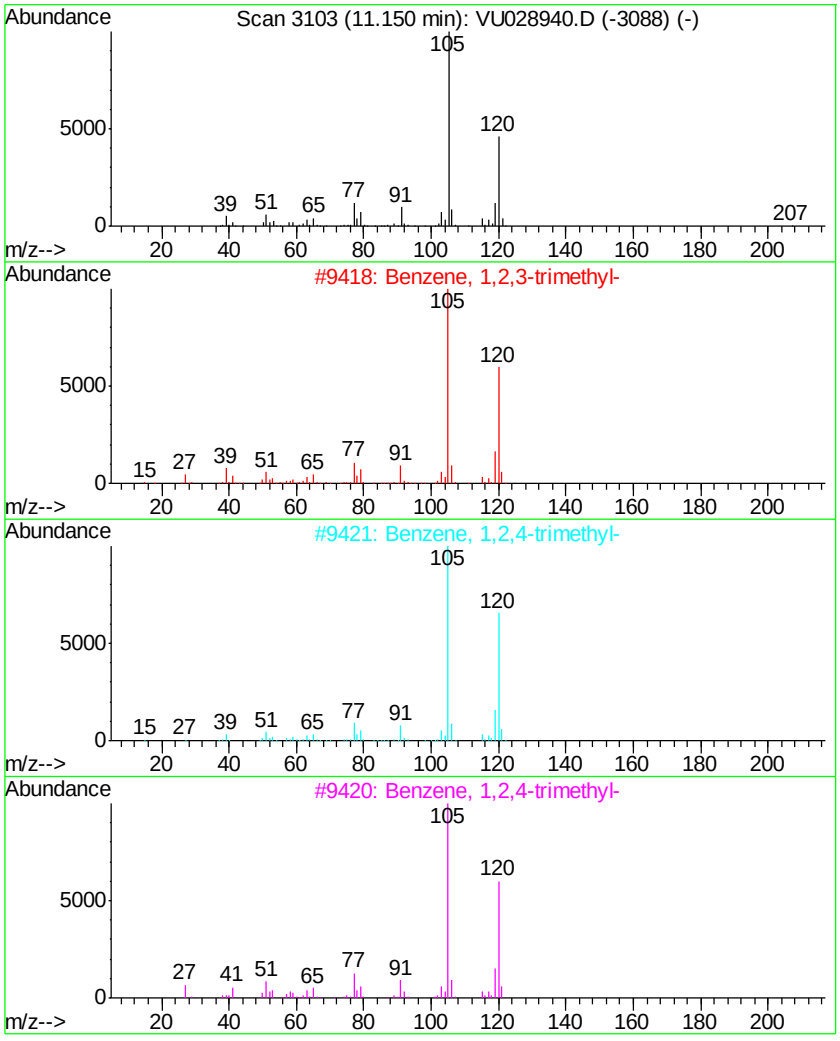
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

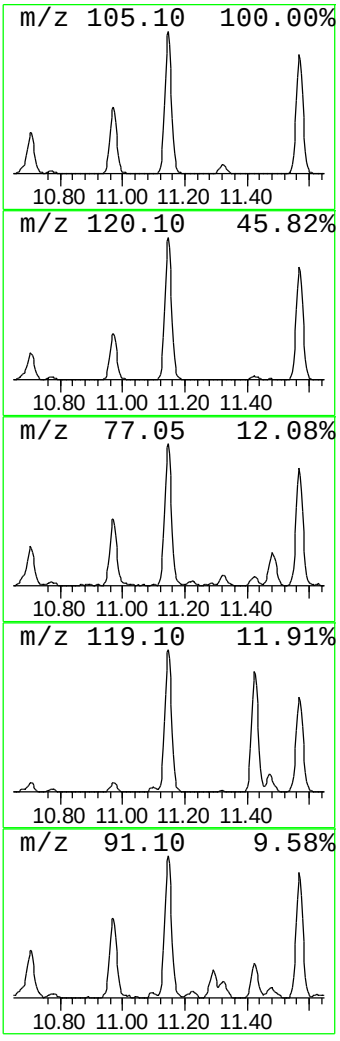
****

Peak Number 31 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	33.08 ug/L	397909	1,4-Dichlorobenzene-d4	11.48

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

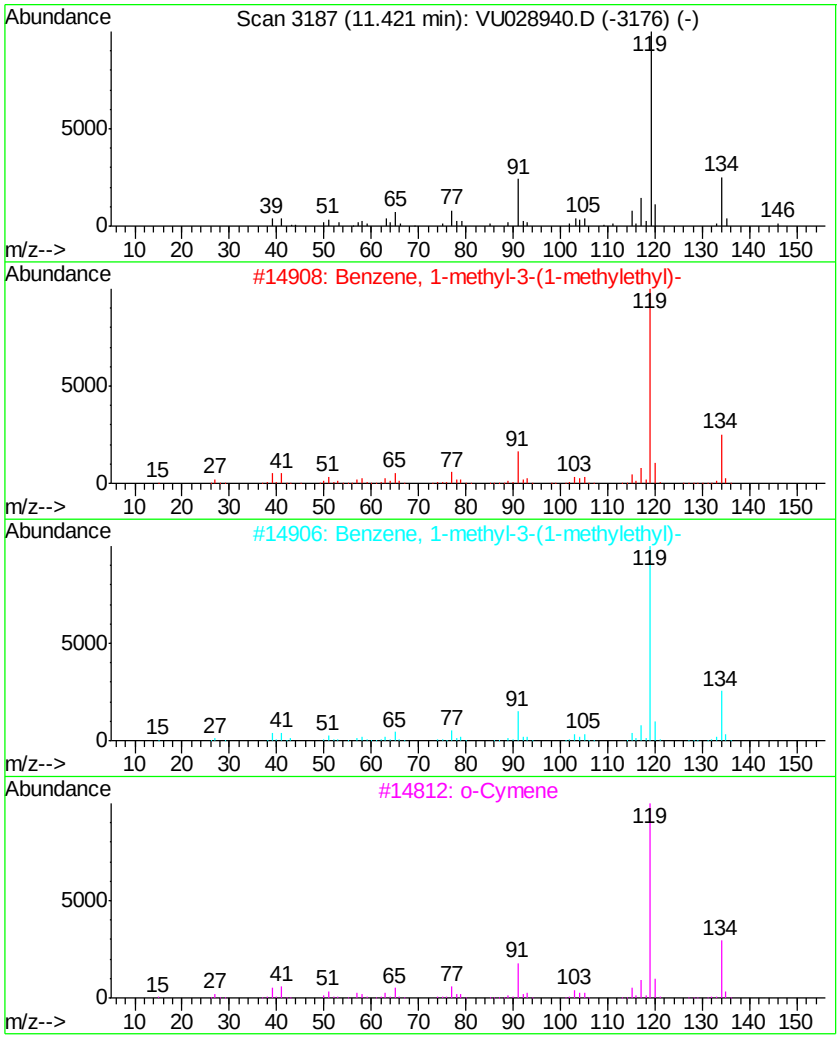
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

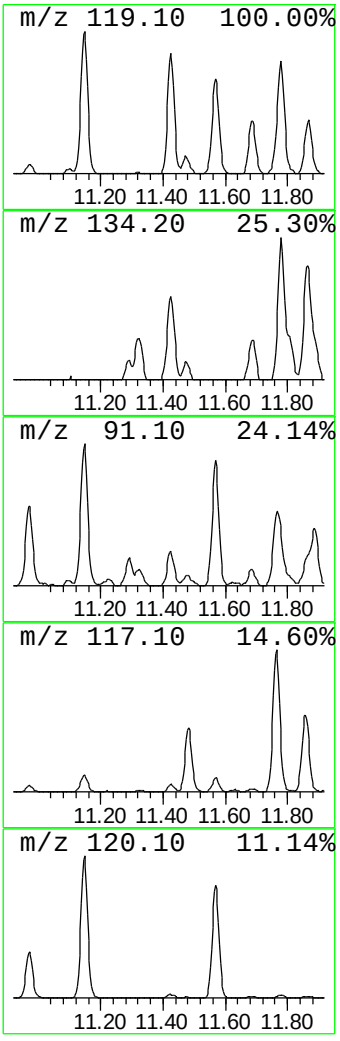
****

Peak Number 32 Benzene, 1-methyl-3-(1-meth... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	3.14 ug/L	37812	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	97
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	93
5	p-Cymene	134	C10H14	000099-87-6	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

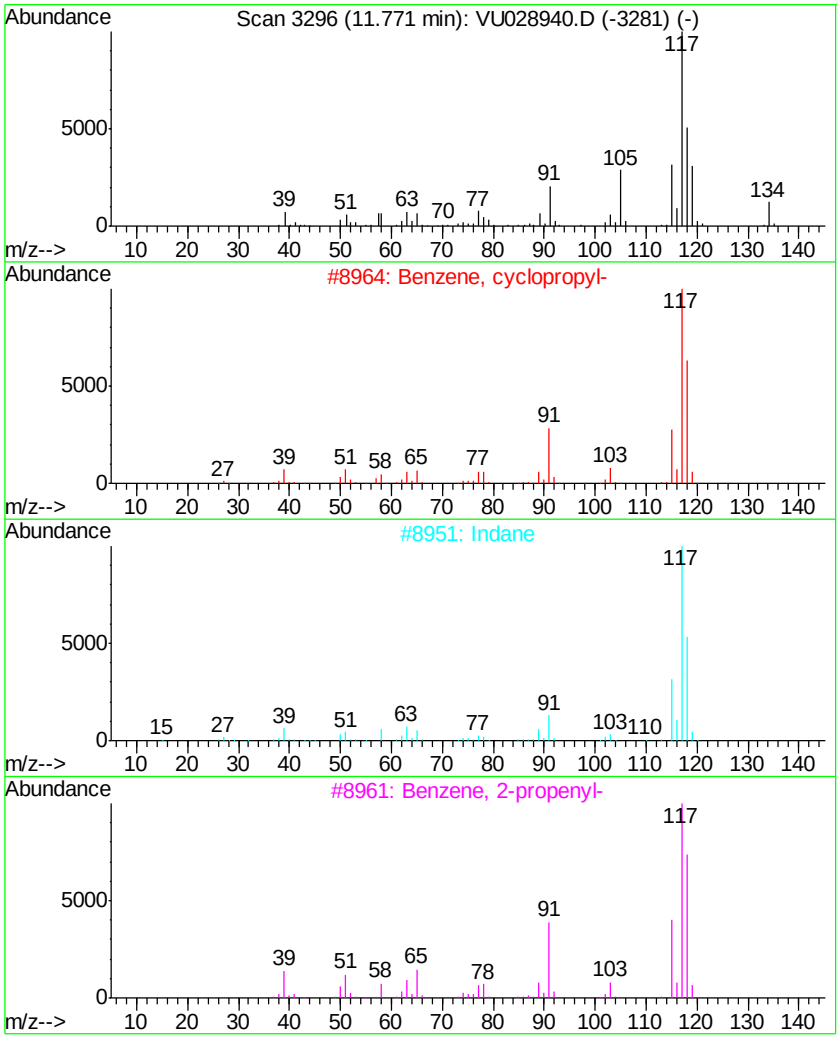
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

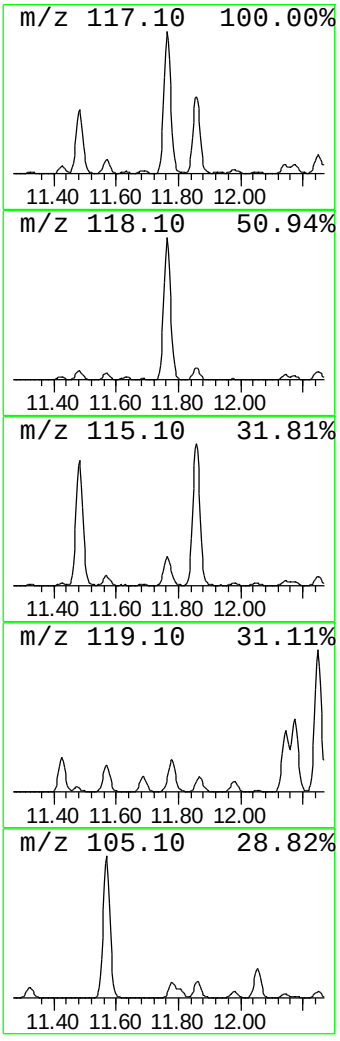
****

Peak Number 34 Benzene, cyclopropyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	16.45 ug/L	197820	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
2	Indane	118	C9H10	000496-11-7	76
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	70
5	Indane	118	C9H10	000496-11-7	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

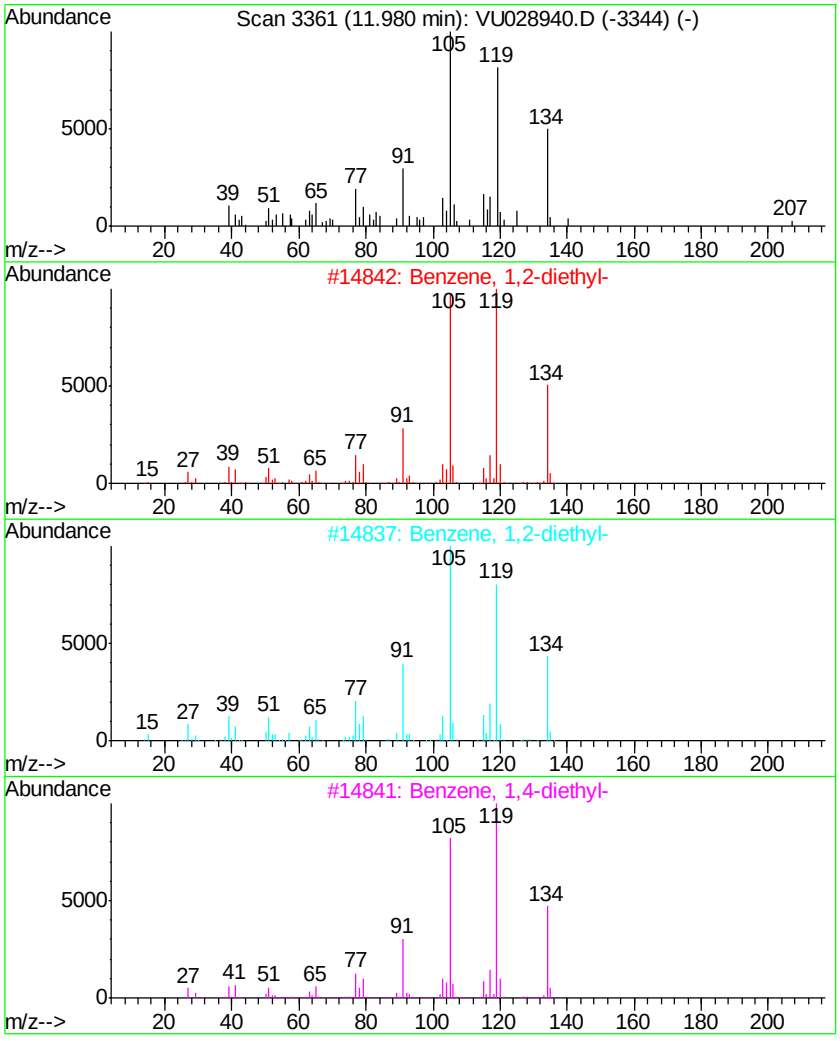
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

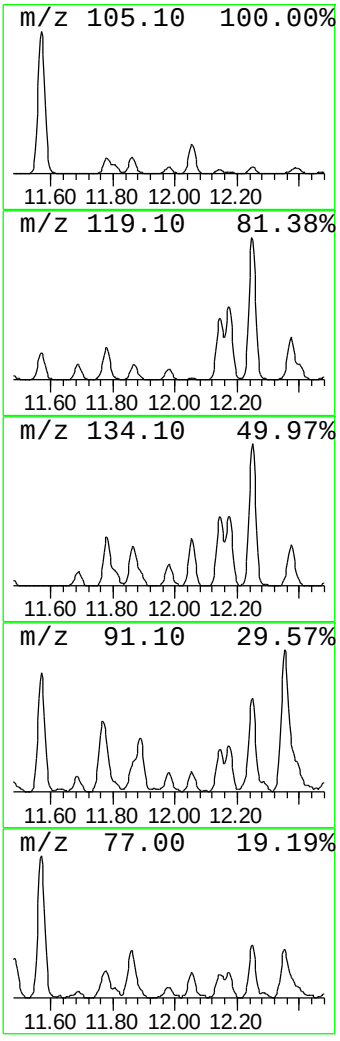
****

Peak Number 35 Benzene, 1,2-diethyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	3.01 ug/L	36252	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	90
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	87
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	87
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	86
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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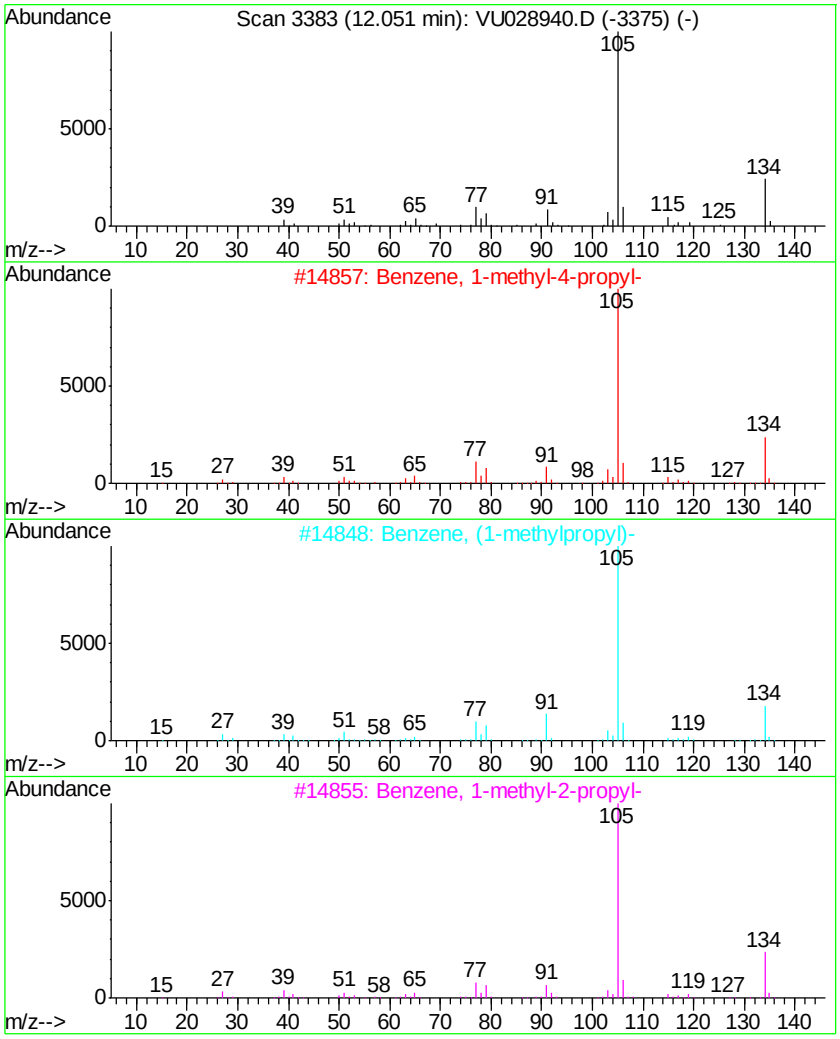
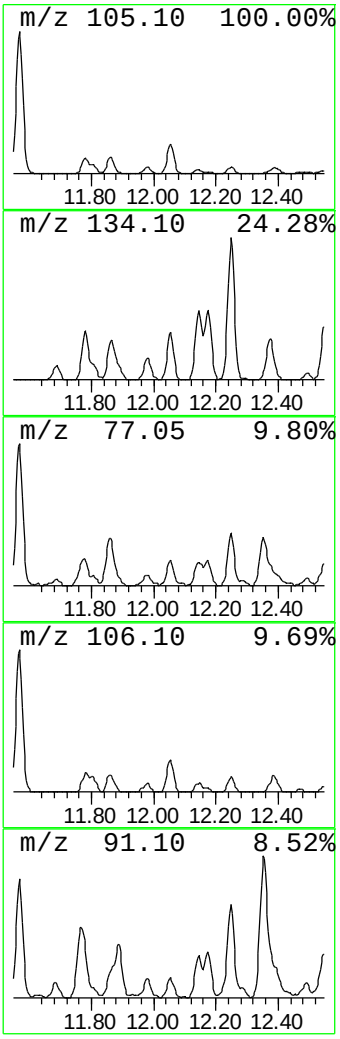
Peak Number 36 Benzene, 1-methyl-4-propyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	4.63 ug/L	55731	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	93
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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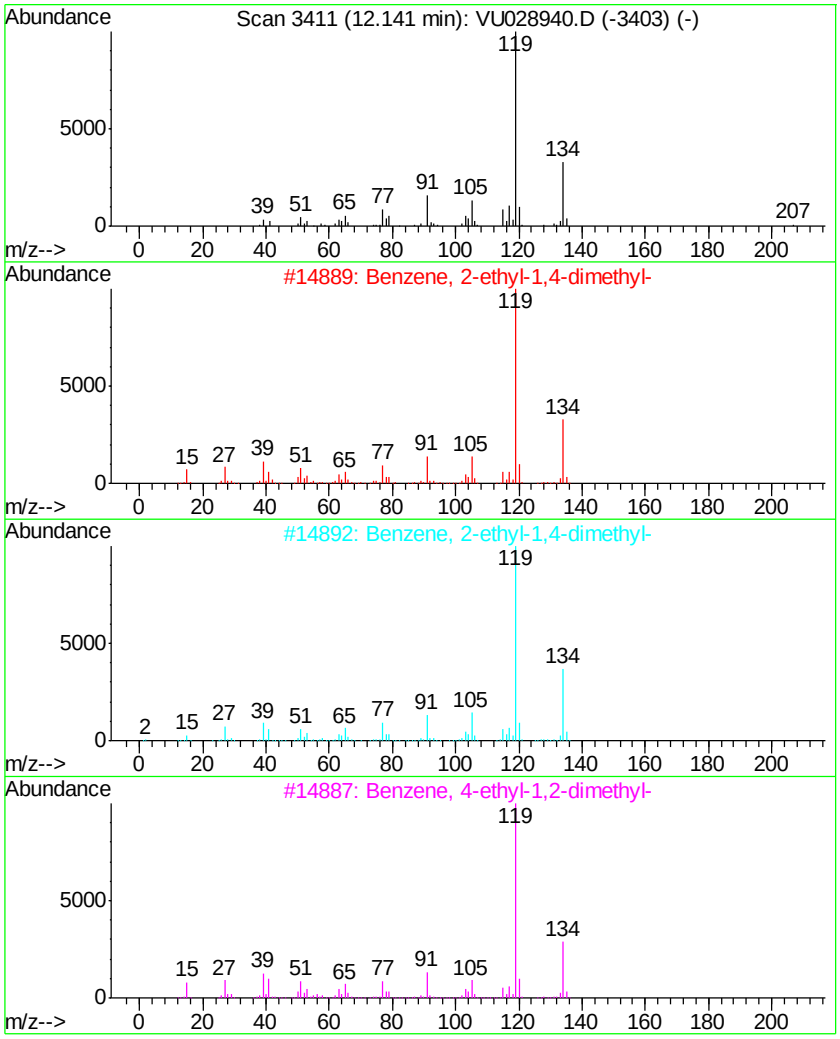
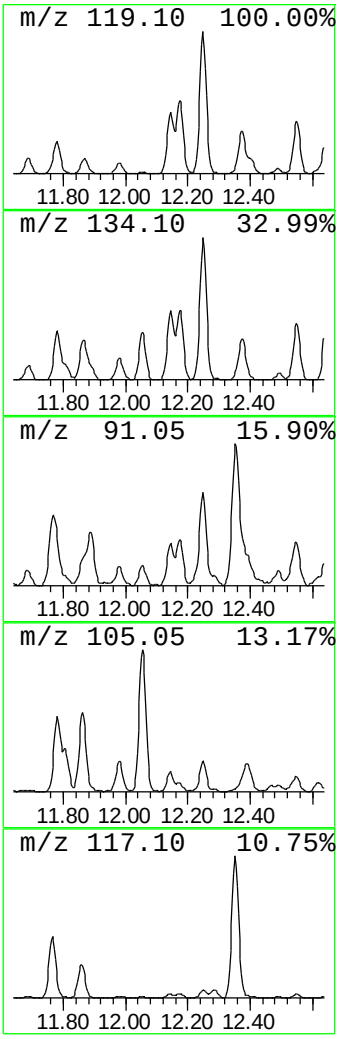
Peak Number 37 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	6.20 ug/L	74574	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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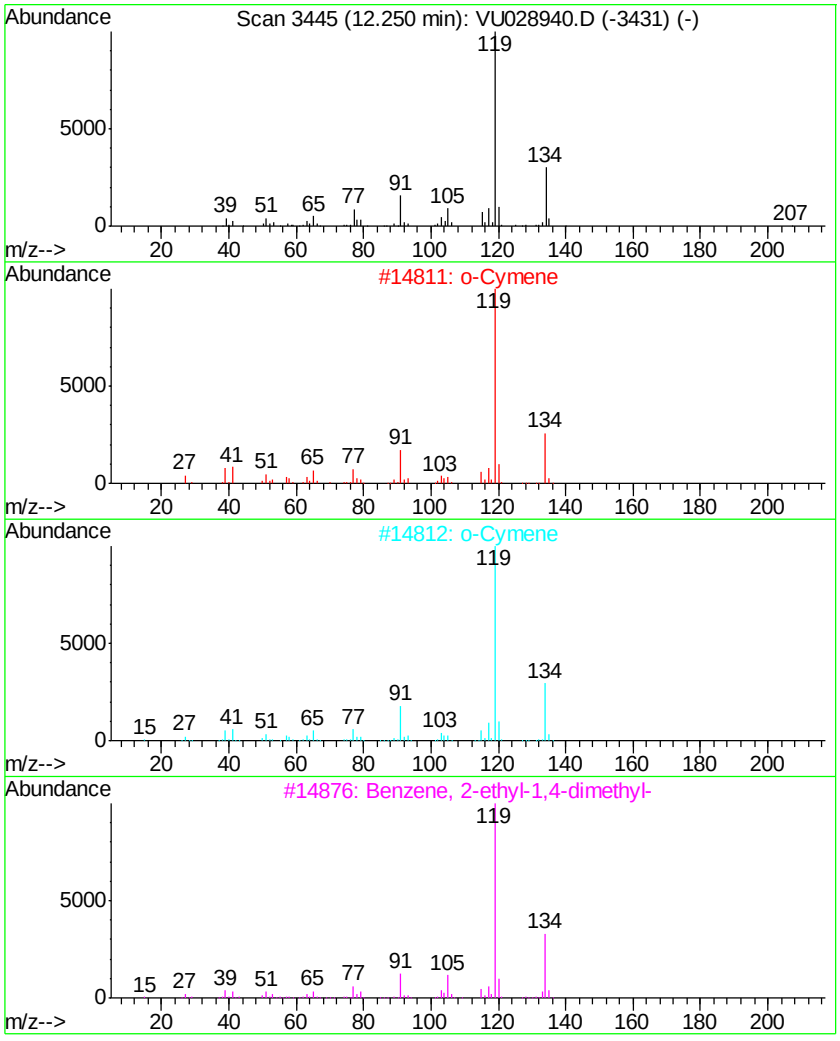
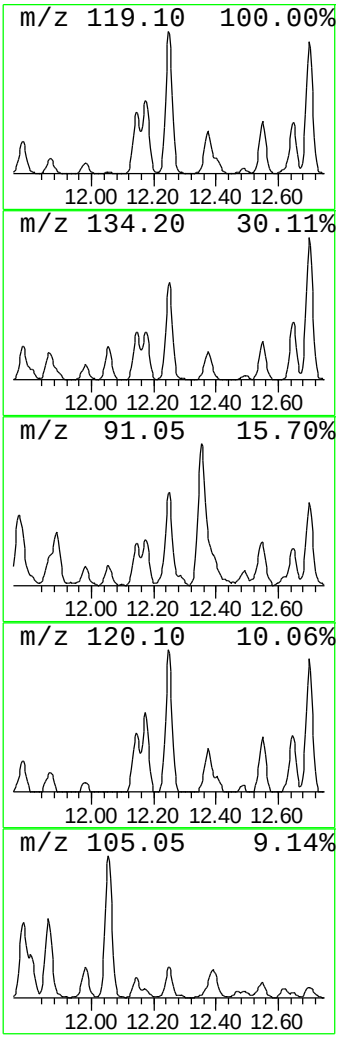
Peak Number 39 o-Cymene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	13.43 ug/L	161504	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	97
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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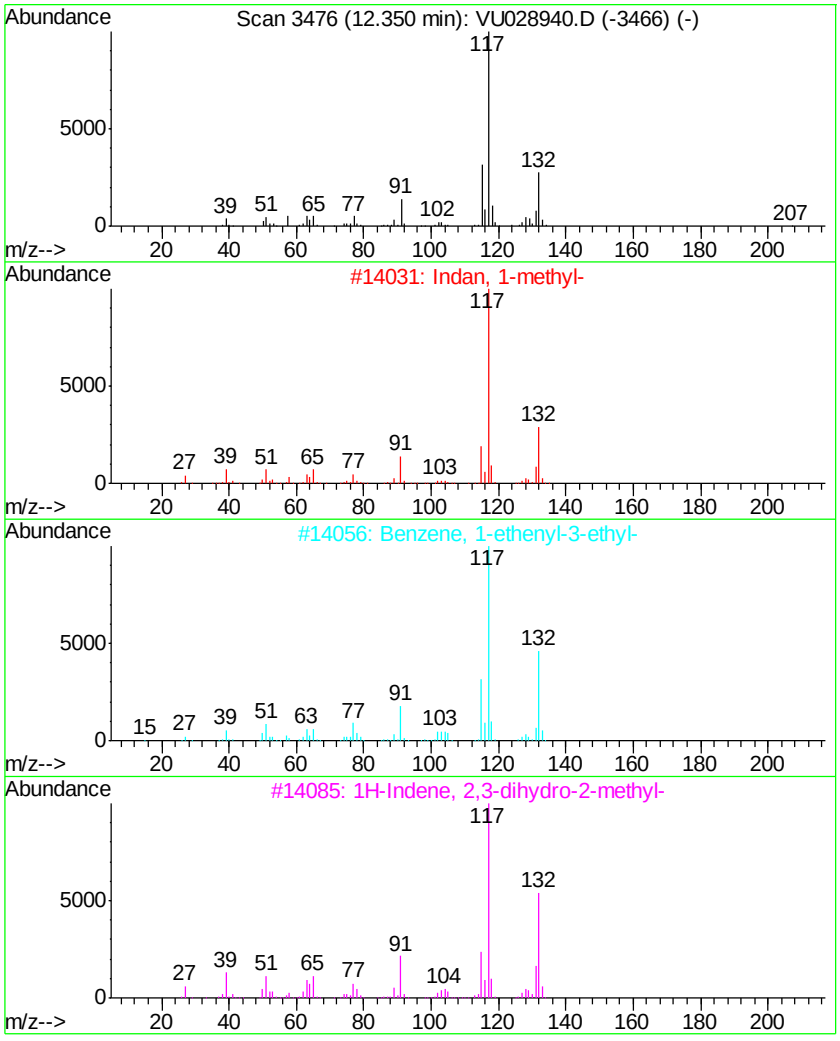
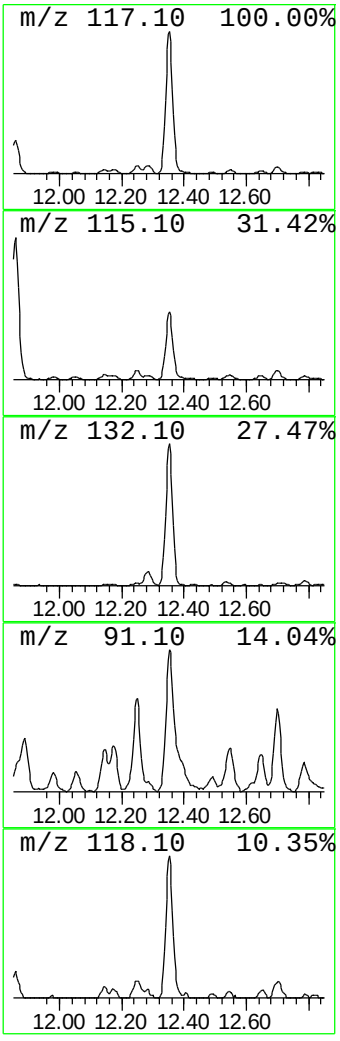
Peak Number 40 Indan, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	30.78 ug/L	370230	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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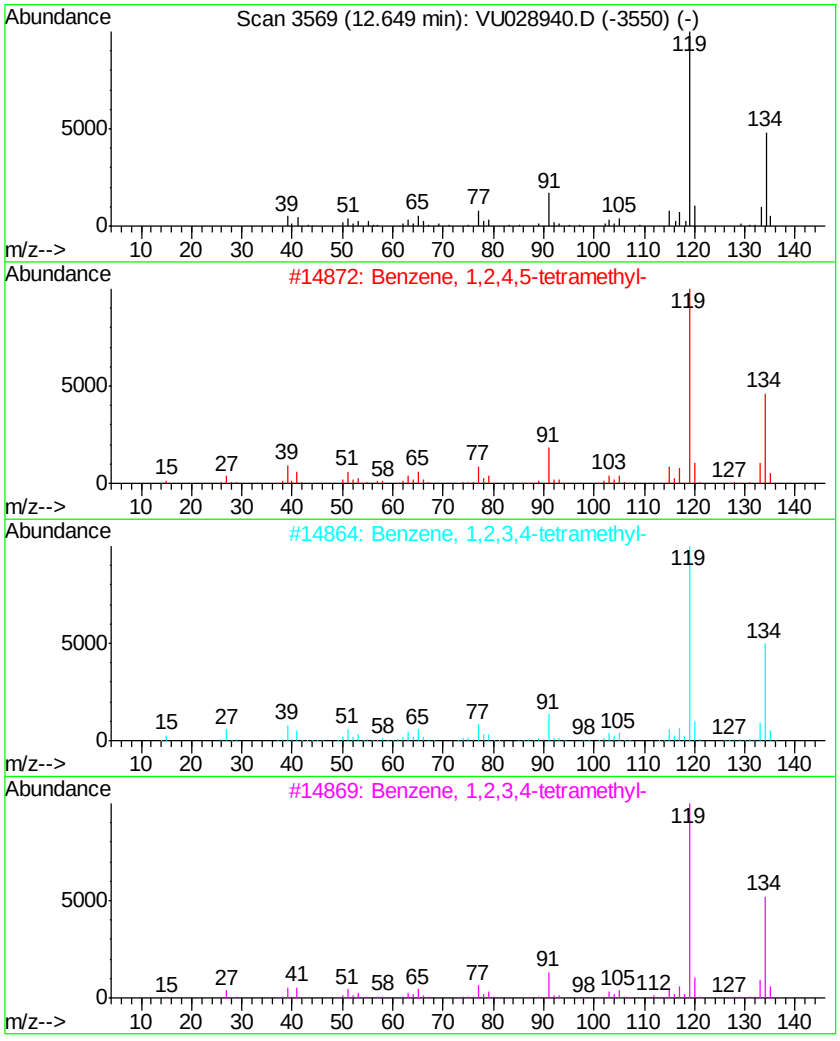
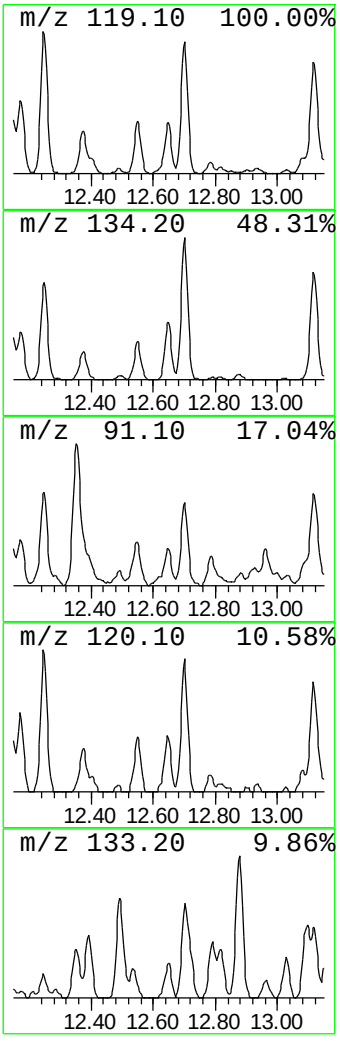
Peak Number 42 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	6.31 ug/L	75946	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, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

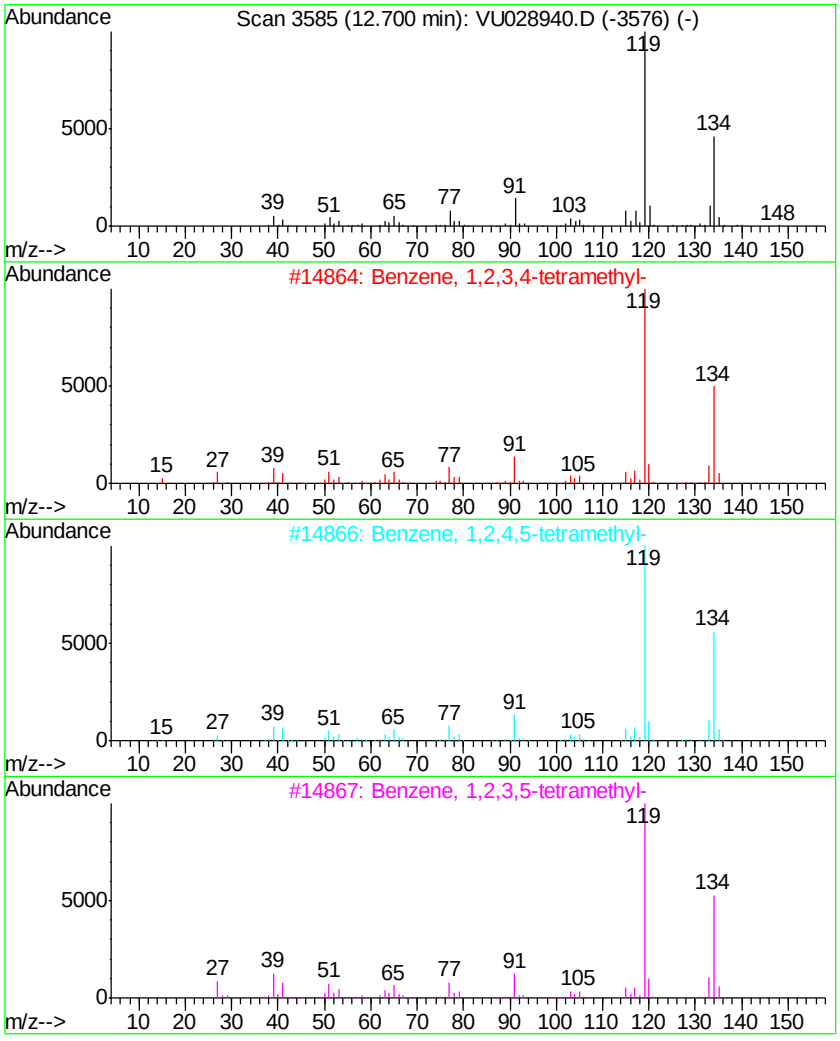
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

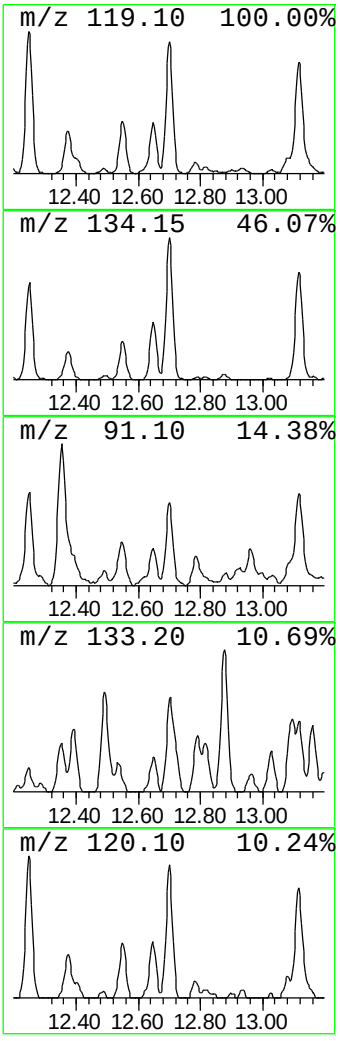
****

Peak Number 43 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	14.24 ug/L	171323	1,4-Dichlorobenzene-d4	11.48

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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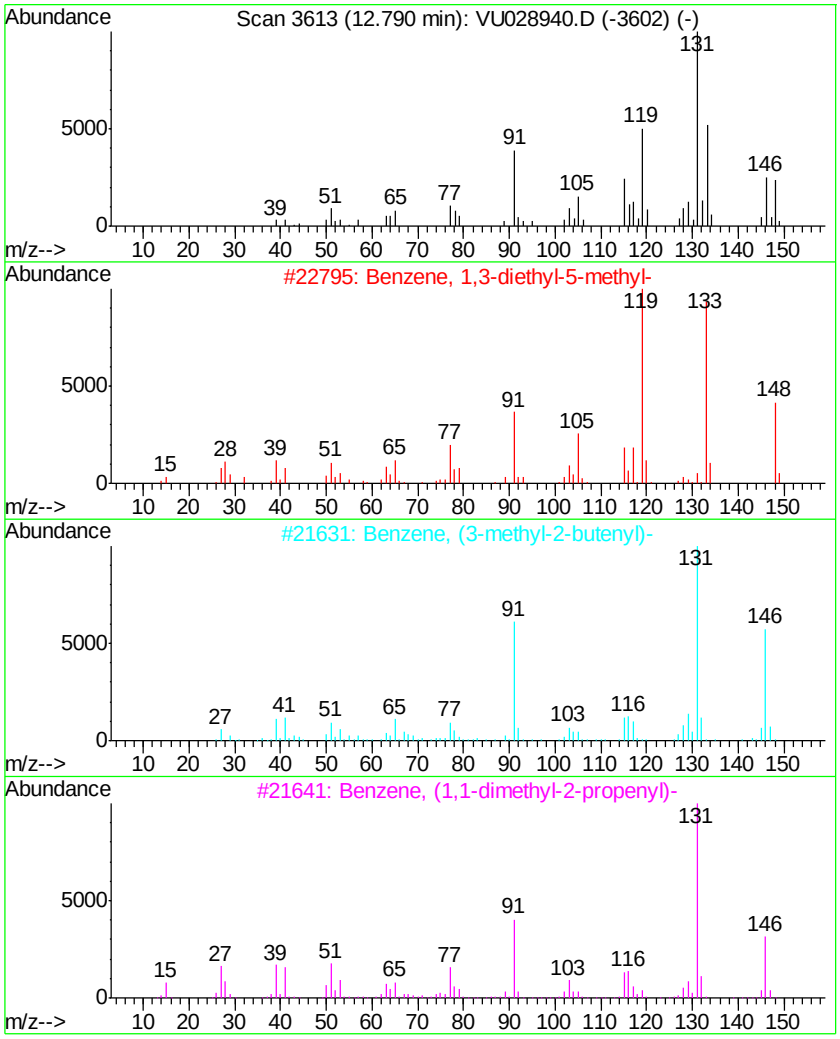
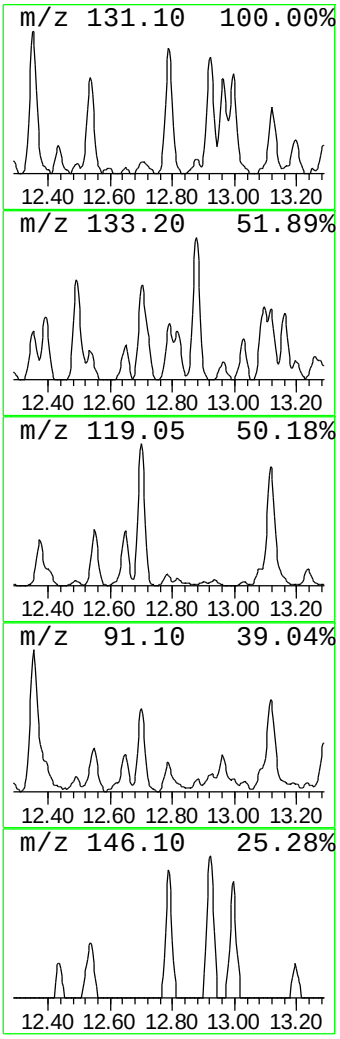
Peak Number 44 Benzene, 1,3-diethyl-5-methyl- Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	3.32 ug/L	39970	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	90
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	89
3	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	87
4	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	64
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

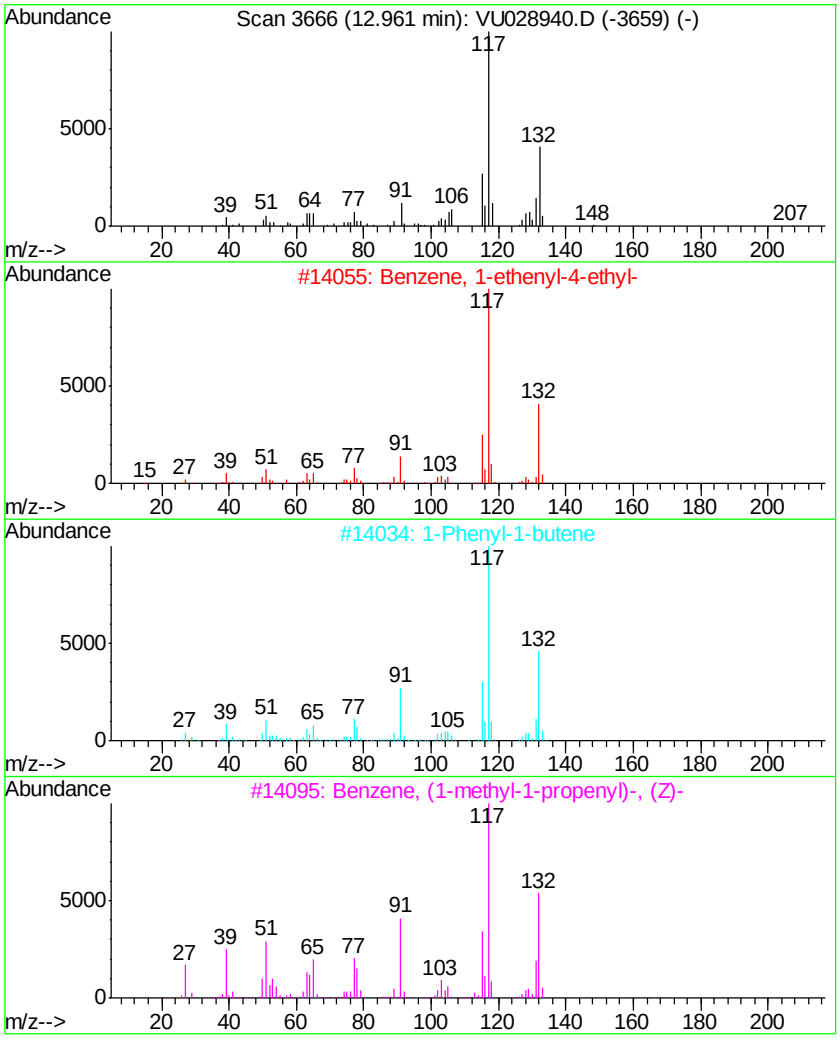
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

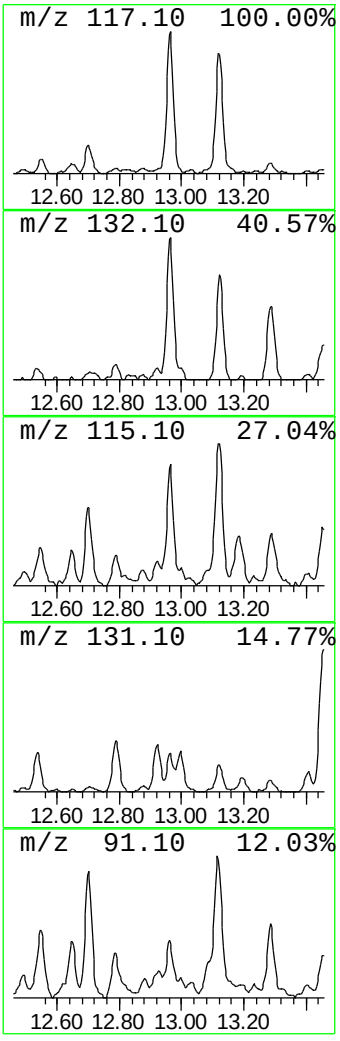
****

Peak Number 45 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	5.14 ug/L	61794	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	91
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	91
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

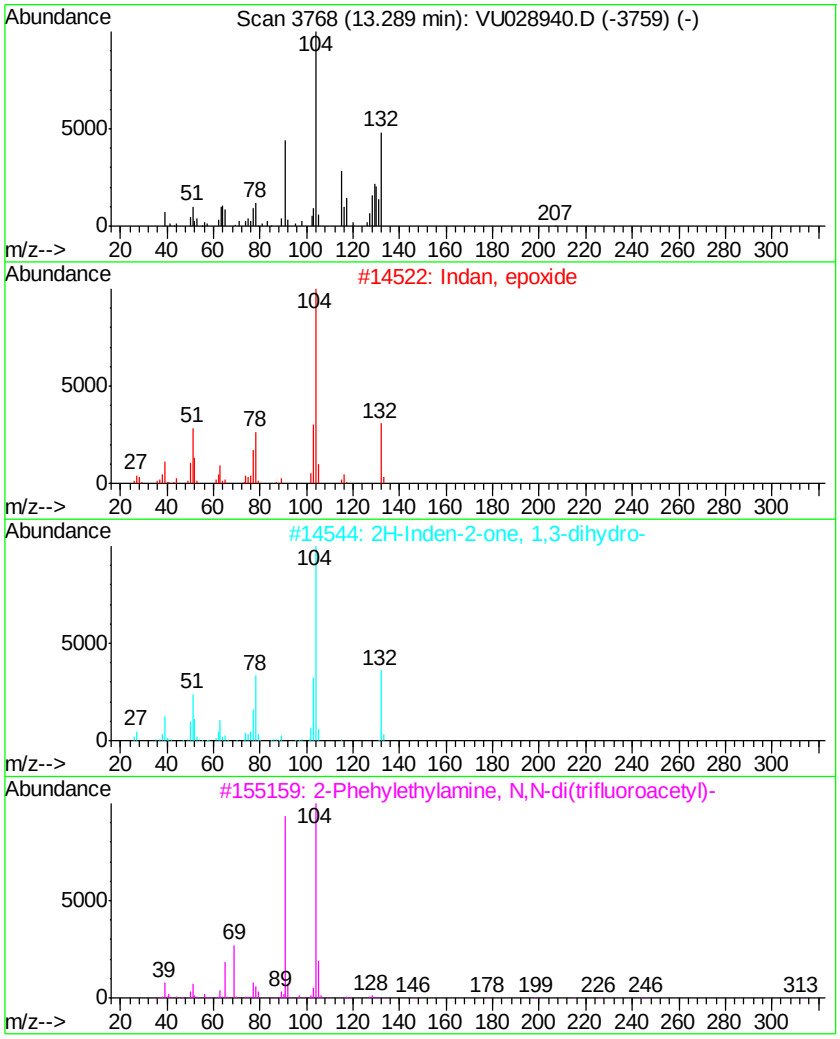
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

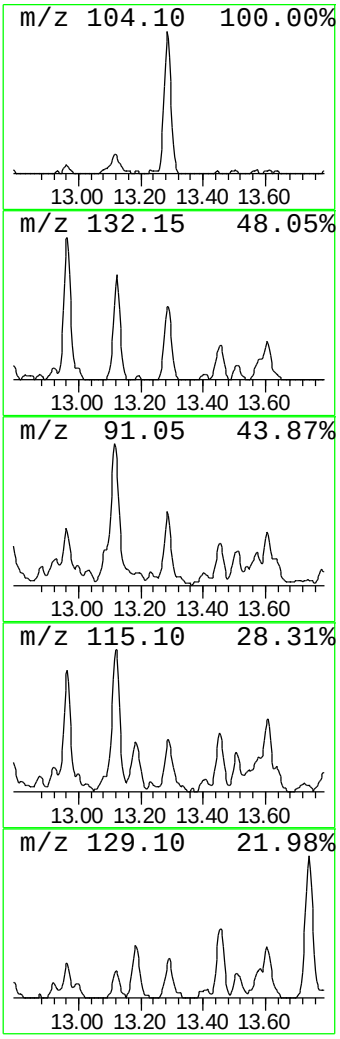
****

Peak Number 47 unknown-02 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.29	3.78 ug/L	45500	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, epoxide	132	C9H8O	000768-22-9	47
2	2H-Inden-2-one, 1,3-dihydro-	132	C9H8O	000615-13-4	37
3	2-Phehylethylamine, N,N-di(trifl...	313	C12H9F6NO2	1000328-32-5	35
4	Bromoacetic acid, 2-phenylethyl ...	242	C10H11BrO2	003785-33-9	27
5	4-Cyanobenzoic acid, 2-phenyleth...	251	C16H13NO2	131786-46-4	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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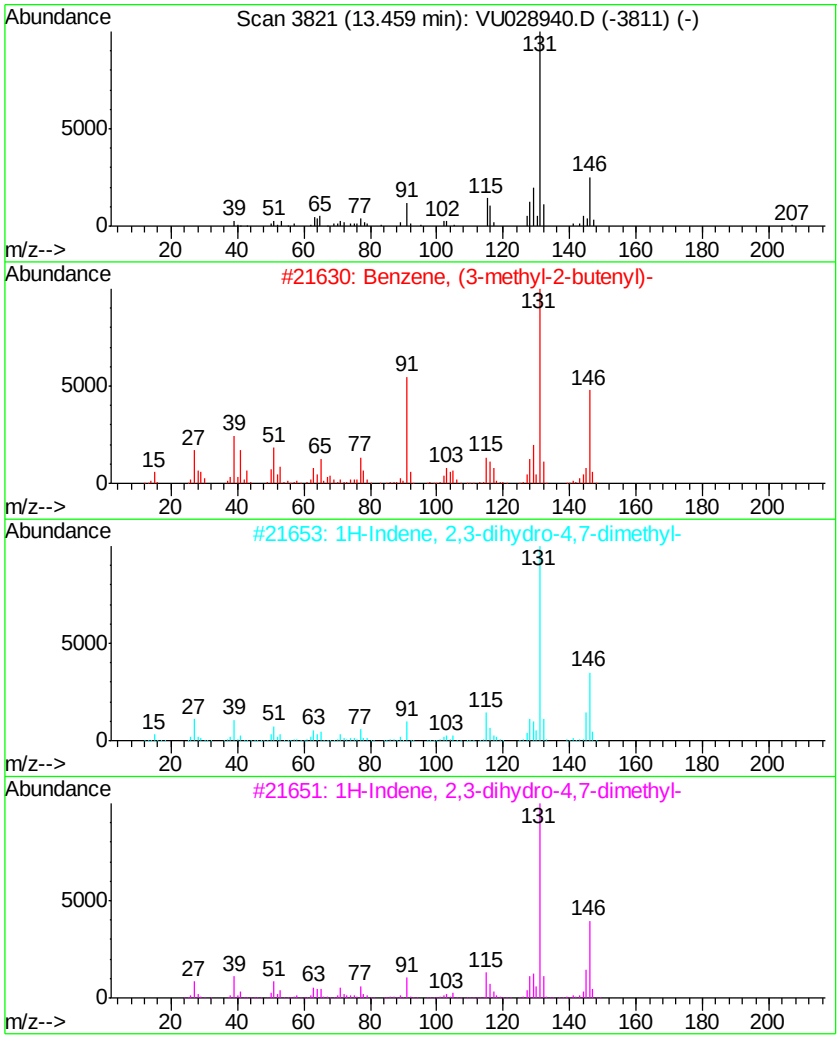
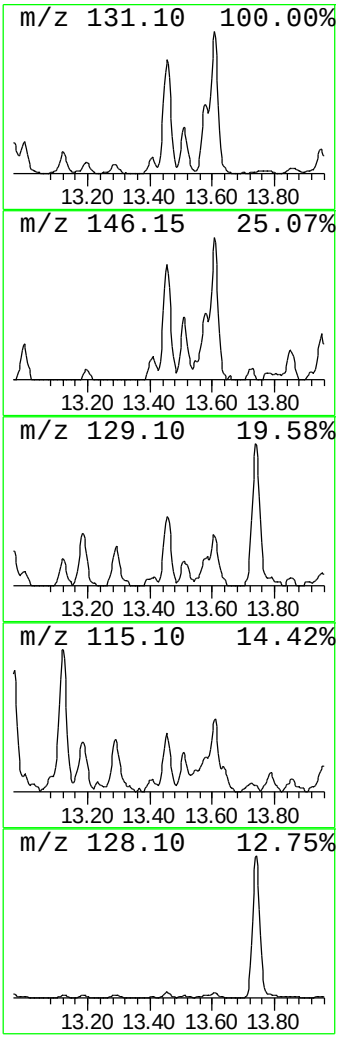
Peak Number 48 Benzene, (3-methyl-2-butenyl)- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.46	4.55 ug/L	54672	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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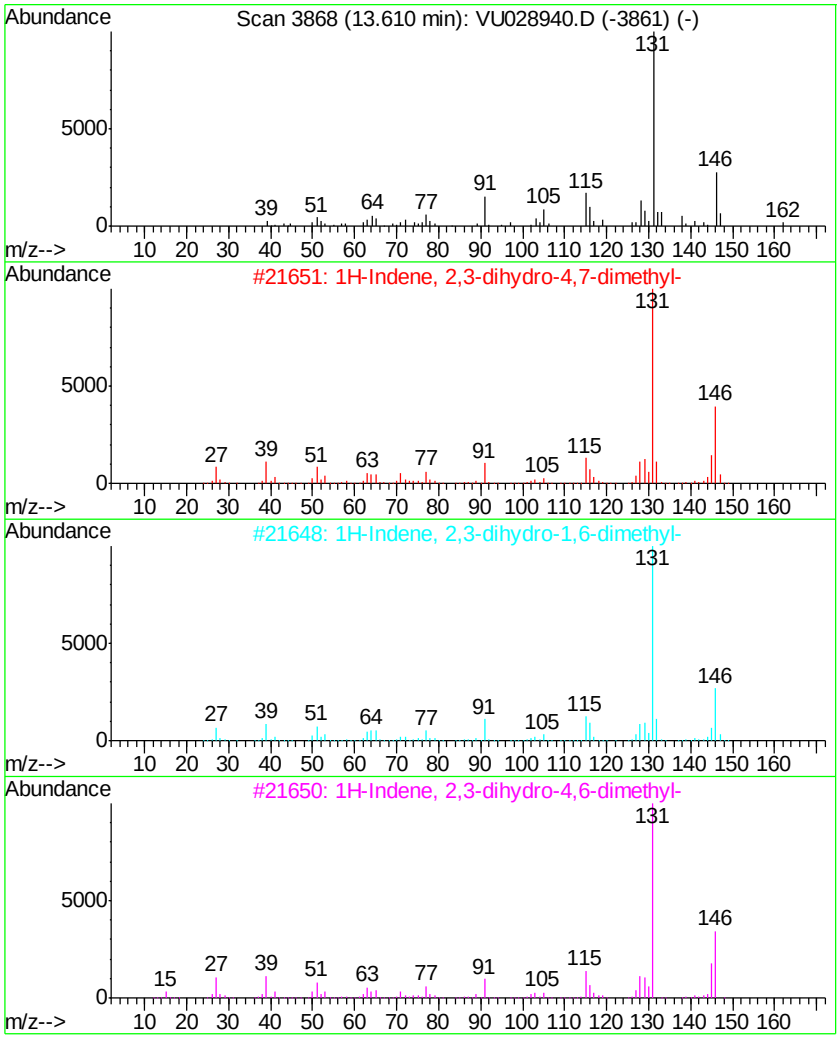
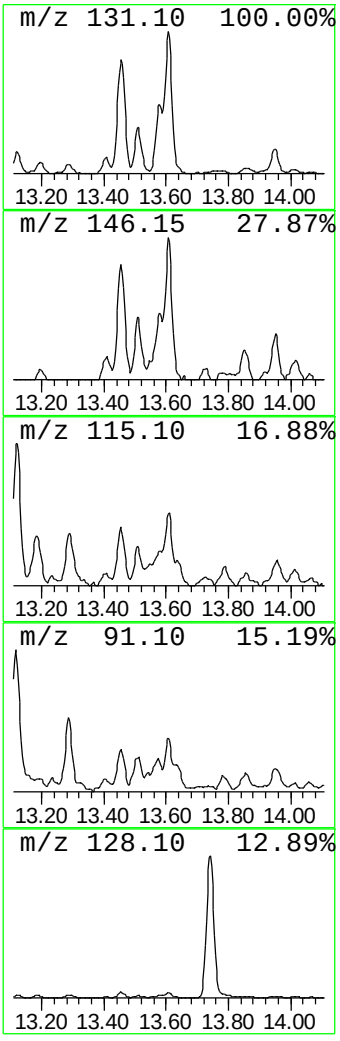
Peak Number 50 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.61	2.92 ug/L	35073	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	87
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	83
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	80
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

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

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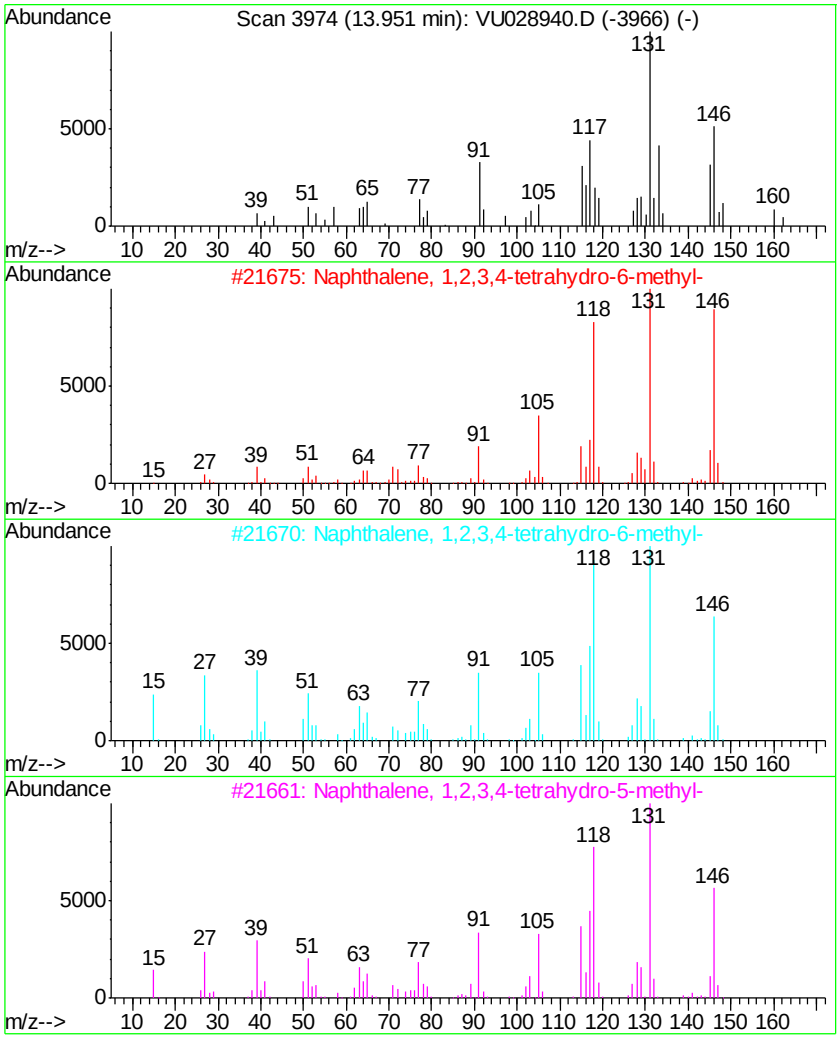
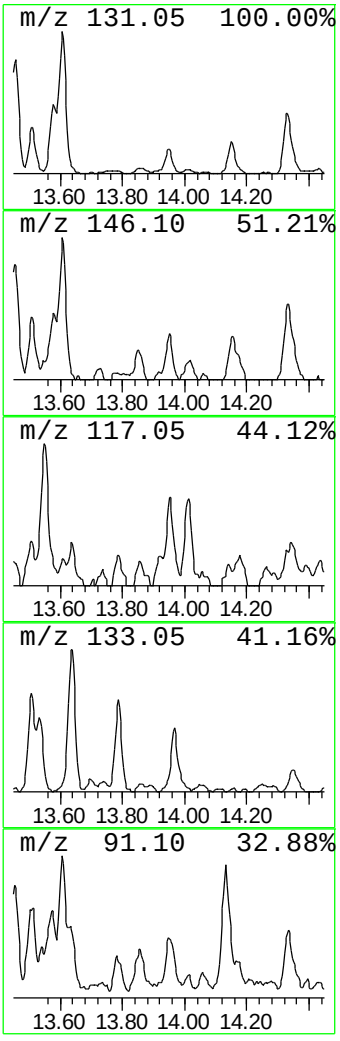
Peak Number 52 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	2.98 ug/L	35833	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	60
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	55
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	50
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	50
5	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

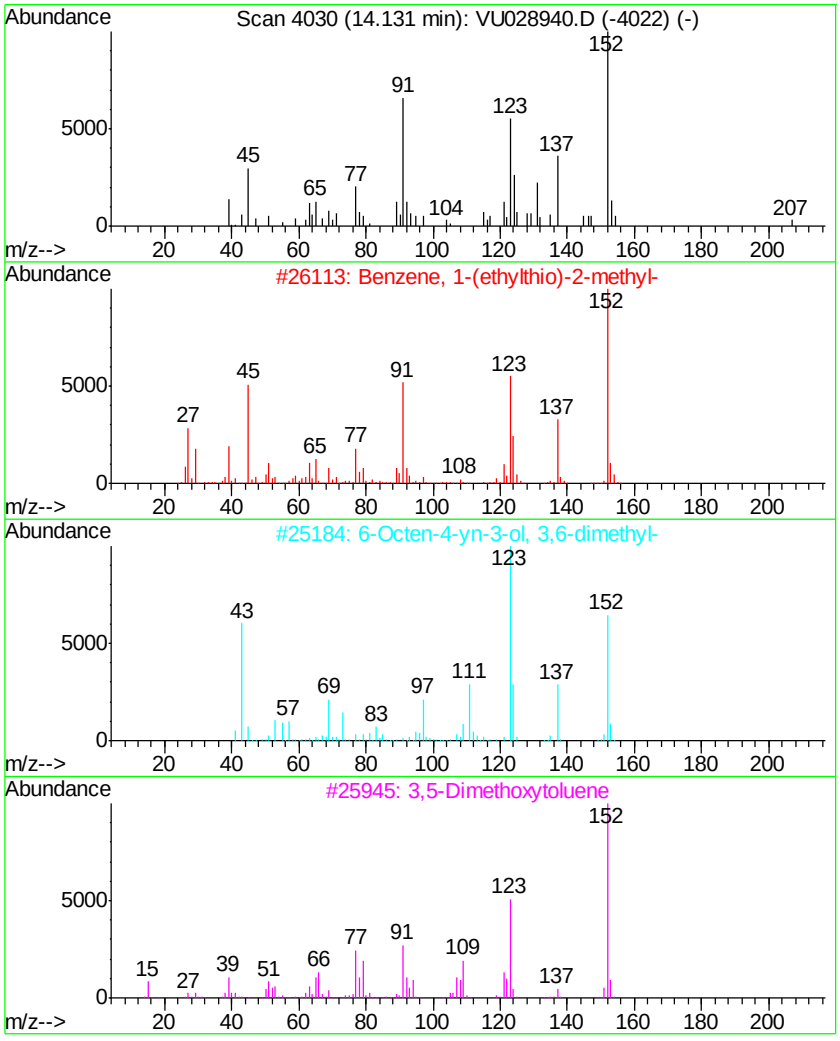
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

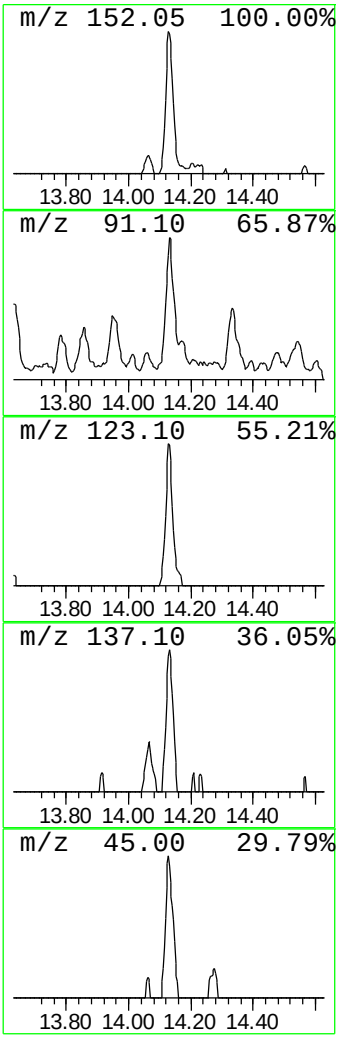
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 53 Benzene, 1-(ethylthio)-2-me... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	4.37 ug/L	52565	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(ethylthio)-2-methyl-	152	C9H12S	003695-36-1	93
2	6-Octen-4-yn-3-ol, 3,6-dimethyl-	152	C10H16O	062851-70-1	53
3	3,5-Dimethoxytoluene	152	C9H12O2	004179-19-5	49
4	Benzene, 1-(ethylthio)-3-methyl-	152	C9H12S	1000004-87-4	46
5	4(3H)-Pyrimidinone, 3-ethyl-2,6-...	152	C8H12N2O	032363-52-3	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

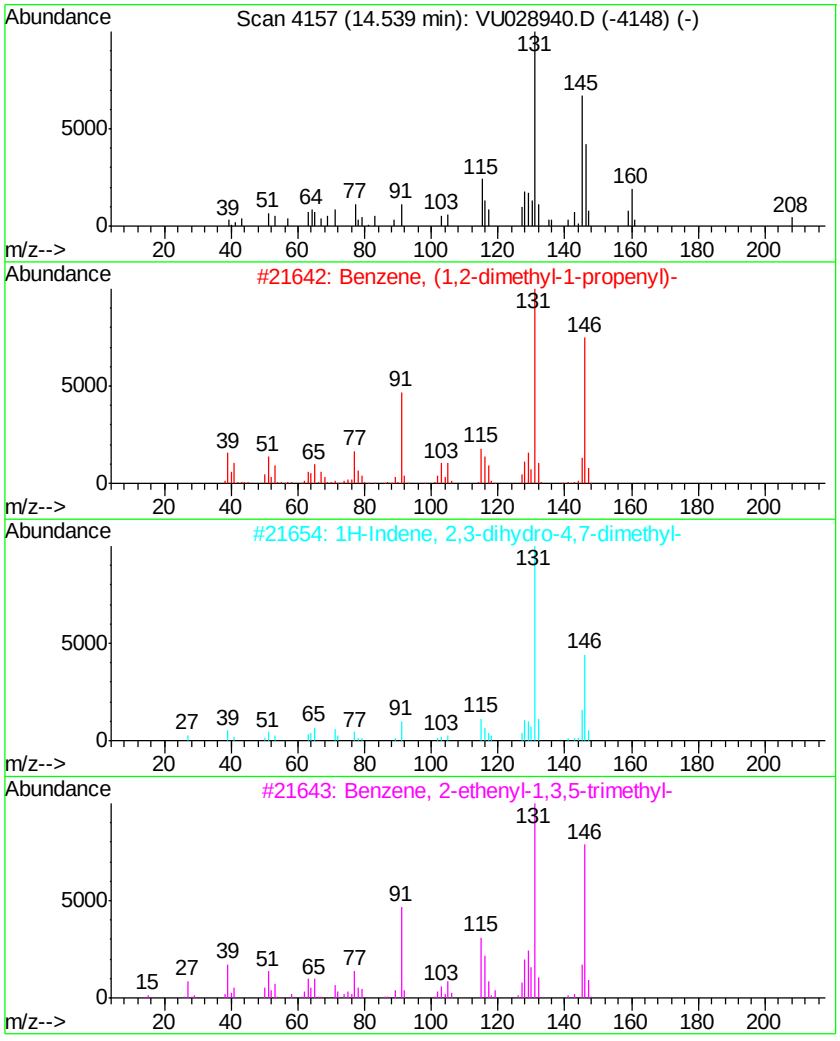
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis

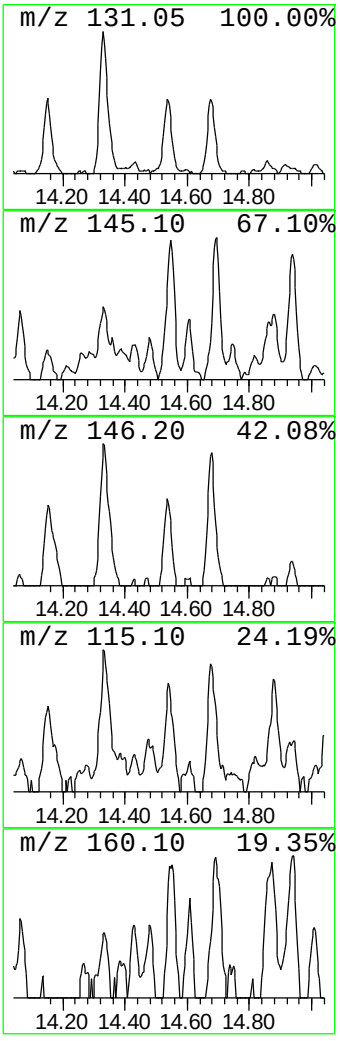
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 55 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	2.76 ug/L	33154	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	94
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
3	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	76
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	70
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU122418\
Data File : VU028940.D
Acq On : 24 Dec 2018 12:17
Operator : MD/SY
Sample : J6542-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : F9F71

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.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	5.9	ug/L	62249	1	5.88	531135	50.0
(DEL) Alkane: Str...	1.94	5.4	ug/L	57823	1	5.88	531135	50.0
(DEL) Alkane: Cyc...	2.18	4.9	ug/L	52266	1	5.88	531135	50.0
Isopropyl Alcohol	2.45	3.3	ug/L	35414	1	5.88	531135	50.0
(DEL) Alkane: Cyc...	2.79	3.1	ug/L	32925	1	5.88	531135	50.0
(DEL) Alkane: Str...	2.99	2.8	ug/L	29727	1	5.88	531135	50.0
Butanal	3.99	7.6	ug/L	80770	1	5.88	531135	50.0
(DEL) Alkane: Cyc...	4.09	14.0	ug/L	148657	1	5.88	531135	50.0
Cyclopentene, 1-m...	4.78	3.9	ug/L	41615	1	5.88	531135	50.0
(DEL) Alkane: Cyc...	5.48	5.3	ug/L	55820	1	5.88	531135	50.0
(DEL) Alkane: Cyc...	5.62	9.5	ug/L	100941	1	5.88	531135	50.0
Diethyl sulfide	6.21	7.7	ug/L	81418	1	5.88	531135	50.0
(DEL) Alkane: Cyc...	6.64	3.6	ug/L	38450	1	5.88	531135	50.0
Cyclohexene, 3-me...	6.82	2.6	ug/L	28118	1	5.88	531135	50.0
(DEL) Alkane: Cyc...	6.90	4.3	ug/L	45571	1	5.88	531135	50.0
Cyclobutane, (1-m...	7.07	5.8	ug/L	61976	1	5.88	531135	50.0
Cyclohexene, 1-me...	7.43	8.8	ug/L	93395	1	5.88	531135	50.0
(DEL) Alkane: Cyc...	7.92	5.8	ug/L	72867	2	9.09	625102	50.0
(DEL) Alkane: Cyc...	8.04	2.6	ug/L	32285	2	9.09	625102	50.0
unknown-01	8.10	3.6	ug/L	45124	2	9.09	625102	50.0
1,3-Dimethyl-1-cy...	8.39	2.7	ug/L	34009	2	9.09	625102	50.0
(DEL) Alkane: Cyc...	8.49	3.2	ug/L	40395	2	9.09	625102	50.0
(DEL) Alkane: Cyc...	8.54	3.5	ug/L	43580	2	9.09	625102	50.0
(DEL) Alkane: Cyc...	8.60	3.0	ug/L	38080	2	9.09	625102	50.0
(DEL) Alkane: Cyc...	9.72	2.6	ug/L	32200	2	9.09	625102	50.0
1H-Indene, octahy...	9.95	4.0	ug/L	50045	2	9.09	625102	50.0
Benzene, propyl-	10.59	6.2	ug/L	74650	3	11.48	601394	50.0
Benzene, 1-ethyl-...	10.70	10.1	ug/L	121678	3	11.48	601394	50.0
Benzene, 1,2,3-tr...	11.15	33.1	ug/L	397909	3	11.48	601394	50.0
Benzene, 1-methyl...	11.42	3.1	ug/L	37812	3	11.48	601394	50.0
Benzene, cyclopro...	11.77	16.4	ug/L	197820	3	11.48	601394	50.0
Benzene, 1,2-diet...	11.98	3.0	ug/L	36252	3	11.48	601394	50.0
Benzene, 1-methyl...	12.05	4.6	ug/L	55731	3	11.48	601394	50.0
Benzene, 2-ethyl-...	12.14	6.2	ug/L	74574	3	11.48	601394	50.0
o-Cymene	12.25	13.4	ug/L	161504	3	11.48	601394	50.0
Indan, 1-methyl-	12.35	30.8	ug/L	370230	3	11.48	601394	50.0
Benzene, 1,2,4,5-...	12.65	6.3	ug/L	75946	3	11.48	601394	50.0
Benzene, 1,2,3,4-...	12.70	14.2	ug/L	171323	3	11.48	601394	50.0
Benzene, 1,3-diet...	12.79	3.3	ug/L	39970	3	11.48	601394	50.0
Benzene, 1-etheny...	12.96	5.1	ug/L	61794	3	11.48	601394	50.0
unknown-02	13.29	3.8	ug/L	45500	3	11.48	601394	50.0
Benzene, (3-methy...	13.46	4.5	ug/L	54672	3	11.48	601394	50.0
1H-Indene, 2,3-di...	13.61	2.9	ug/L	35073	3	11.48	601394	50.0
Naphthalene, 1,2,...	13.95	3.0	ug/L	35833	3	11.48	601394	50.0
Benzene, 1-(ethyl...	14.13	4.4	ug/L	52565	3	11.48	601394	50.0
Benzene, (1,2-dim...	14.54	2.8	ug/L	33154	3	11.48	601394	50.0