LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMUTR102418WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.334	37	50	57	rBV3	26209	72357	13.67%	1.087%
2	1.398	66	70	78	rVB	20579	21239	4.01%	0.319%
3	1.685	154	159	184	rVB2	22147	38473	7.27%	0.578%
4	2.276	334	343	349	rBV	33973	53670	10.14%	0.807%
5	2.707	466	477	492	rBV	29905	59190	11.18%	0.889%
6	3.848	816	832	852	rBV3	10175	28092	5.31%	0.422%
7	3.990	857	876	901	rBV2	26198	72695	13.73%	1.092%
8	4.199	926	941	968	rBV4	36151	121934	23.03%	1.832%
9	4.652	1066	1082	1094	rBV2	25975	59853	11.31%	0.899%
10	4.733	1094	1107	1129	rVB3	23680	64508	12.18%	0.969%
11	5.080	1197	1215	1236	rBV2	65151	158236	29.89%	2.378%
12	5.340	1275	1296	1316	rBV2	53384	147009	27.77%	2.209%
13	5.488	1328	1342	1356	rBV3	8007	19185	3.62%	0.288%
14	5.890	1453	1467	1489	rBV	48938	95064	17.96%	1.429%
15	6.334	1593	1605	1615	rBV	37836	72924	13.77%	1.096%
16	6.392	1615	1623	1636	rVB5	16693	34334	6.49%	0.516%
17	6.533	1658	1667	1676	rVV4	5031	9564	1.81%	0.144%
18	6.739	1714	1731	1747	rVB4	27760	58800	11.11%	0.884%
19	6.926	1778	1789	1800	rBV2	3966	7327	1.38%	0.110%
20	7.051	1816	1828	1842	rVB5	6830	15263	2.88%	0.229%
21	7.231	1871	1884	1896	rBV2	19353	35391	6.68%	0.532%
22	7.302	1898	1906	1916	rVB3	4103	7065	1.33%	0.106%
23	7.430	1935	1946	1961	rBV6	5538	13086	2.47%	0.197%
24	7.565	1967	1988	2001	rBV	69331	123064	23.24%	1.849%
25	7.626	2001	2007	2020	rVB3	4671	7822	1.48%	0.118%
26	7.710	2020	2033	2045	rBV2	13649	24570	4.64%	0.369%
27	7.855	2066	2078	2087	rBV4	13397	22788	4.30%	0.342%
28	7.919	2087	2098	2111	rVB3	33804	61332	11.58%	0.922%
29	8.106	2147	2156	2169	rBV8	6443	13268	2.51%	0.199%
30	8.183	2169	2180	2187	rBV2	21771	40755	7.70%	0.612%
31	8.315	2210	2221	2239	rBV	116425	205082	38.74%	3.082%
32	8.488	2264	2275	2289	rVB7	7012	16664	3.15%	0.250%
33	8.652	2314	2326	2347	rBV3	27886	55898	10.56%	0.840%
34	8.845	2377	2386	2398	rBV4	16665	28028	5.29%	0.421%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMUTR102418WMA.M
Title : TRACE VOA SOM01.0

35	9.089	2451	2462	2478	rBV	75430	123681	23.36%	1.859%
36	9.247	2501	2511	2525	rVB4	9973	18935	3.58%	0.285%
37	9.363	2535	2547	2568	rVB5	90806	210066	39.68%	3.157%
38	9.485	2576	2585	2597	rVB4	15048	26239	4.96%	0.394%
39	9.568	2601	2611	2625	rVV3	14038	23223	4.39%	0.349%
40	9.745	2635	2666	2677	rBV4	85180	181975	34.37%	2.735%
41	9.806	2677	2685	2697	rVB3	8916	15189	2.87%	0.228%
42	9.906	2704	2716	2727	rBV3	22137	56250	10.62%	0.845%
43	10.048	2749	2760	2769	rBV5	15320	32989	6.23%	0.496%
44	10.118	2775	2782	2799	rVB3	16727	28939	5.47%	0.435%
45	10.208	2799	2810	2832	rBV9	19103	59354	11.21%	0.892%
46	10.376	2850	2862	2870	rBV3	41344	75228	14.21%	1.130%
47	10.433	2870	2880	2891	rVV5	34675	82806	15.64%	1.244%
48	10.491	2891	2898	2907	rVB4	21171	34403	6.50%	0.517%
49	10.613	2926	2936	2954	rBV4	11785	33053	6.24%	0.497%
50	10.697	2954	2962	2973	rVV5	14180	28942	5.47%	0.435%
51	10.771	2973	2985	2992	rVV5	7339	16247	3.07%	0.244%
52	10.864	3004	3014	3028	rVB9	15601	29601	5.59%	0.445%
53	10.999	3053	3056	3066	rVB6	6804	8953	1.69%	0.135%
54	11.099	3067	3087	3096	rBV2	83258	138767	26.21%	2.085%
55	11.147	3096	3102	3113	rVB7	10390	17977	3.40%	0.270%
56	11.292	3128	3147	3167	rVB	307328	529433	100.00%	7.956%
57	11.414	3175	3185	3196	rVB10	4491	10342	1.95%	0.155%
58	11.485	3196	3207	3219	rBV	80896	128877	24.34%	1.937%
59	11.546	3219	3226	3236	rVV7	6462	11332	2.14%	0.170%
60	11.604	3236	3244	3257	rVV3	7901	15484	2.92%	0.233%
61	11.687	3257	3270	3284	rVB7	4605	10362	1.96%	0.156%
62	11.864	3313	3325	3347	rVB2	185830	315389	59.57%	4.740%
63	11.980	3347	3361	3373	rBV2	34724	60232	11.38%	0.905%
64	12.054	3375	3384	3391	rBV	8197	15232	2.88%	0.229%
65	12.112	3398	3402	3419	rVB8	5570	10843	2.05%	0.163%
66	12.228	3421	3438	3449	rVV4	42615	80410	15.19%	1.208%
67	12.295	3449	3459	3471	rVV4	35828	68634	12.96%	1.031%
68	12.359	3471	3479	3484	rVV2	9437	14763	2.79%	0.222%
69	12.401	3484	3492	3496	rVV	36041	55783	10.54%	0.838%
70	12.433	3496	3502	3511	rVV	80919	130614	24.67%	1.963%
71	12.488	3511	3519	3522	rVV4	19971	34505	6.52%	0.519%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 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\SOMUTR102418WMA.M
Title : TRACE VOA SOM01.0

72	12.536	3523	3534	3549	rVV	319213	524699	99.11%	7.885%
73	12.620	3549	3560	3563	rVV4	98743	142574	26.93%	2.143%
74	12.649	3563	3569	3581	rVV2	241433	381993	72.15%	5.740%
75	12.719	3581	3591	3601	rVB5	8521	17118	3.23%	0.257%
76	12.790	3603	3613	3630	rVB	51825	78177	14.77%	1.175%
77	12.922	3632	3654	3665	rBV	141973	251645	47.53%	3.782%
78	12.996	3666	3677	3688	rVB	61008	93015	17.57%	1.398%
79	13.070	3688	3700	3714	rVB2	14266	24591	4.64%	0.370%
80	13.199	3730	3740	3749	rVB	20781	30806	5.82%	0.463%
81	13.266	3749	3761	3768	rBV	3989	8981	1.70%	0.135%
82	13.424	3798	3810	3817	rBV5	12494	26834	5.07%	0.403%
83	13.507	3827	3836	3843	rBV2	31465	48819	9.22%	0.734%
84	13.552	3843	3850	3867	rVB4	41154	82536	15.59%	1.240%
85	13.729	3892	3905	3914	rBV4	16761	31121	5.88%	0.468%
86	13.784	3914	3922	3935	rVV4	7372	15253	2.88%	0.229%
87	13.854	3935	3944	3957	rVB3	36063	55704	10.52%	0.837%
88	13.922	3957	3965	3966	rBV4	7638	8574	1.62%	0.129%
89	13.951	3967	3974	3982	rVV3	21767	33319	6.29%	0.501%
90	14.015	3982	3994	4003	rVB3	4287	7171	1.35%	0.108%
91	14.141	4025	4033	4037	rBV3	5658	8405	1.59%	0.126%
92	14.179	4037	4045	4054	rVB3	19602	30164	5.70%	0.453%
93	14.279	4056	4076	4087	rBV	17424	33663	6.36%	0.506%
94	14.337	4087	4094	4103	rBV9	4111	8020	1.51%	0.121%
95	14.498	4120	4144	4152	rBV2	19434	50868	9.61%	0.764%
96	14.546	4153	4159	4172	rVB6	5535	9098	1.72%	0.137%
97	14.694	4196	4205	4215	rBV3	6586	10545	1.99%	0.158%
98	14.928	4269	4278	4299	rVB8	9205	15941	3.01%	0.240%
99	15.076	4312	4324	4337	rBV3	7987	15257	2.88%	0.229%
100	15.880	4566	4574	4584	rVB2	6122	9937	1.88%	0.149%

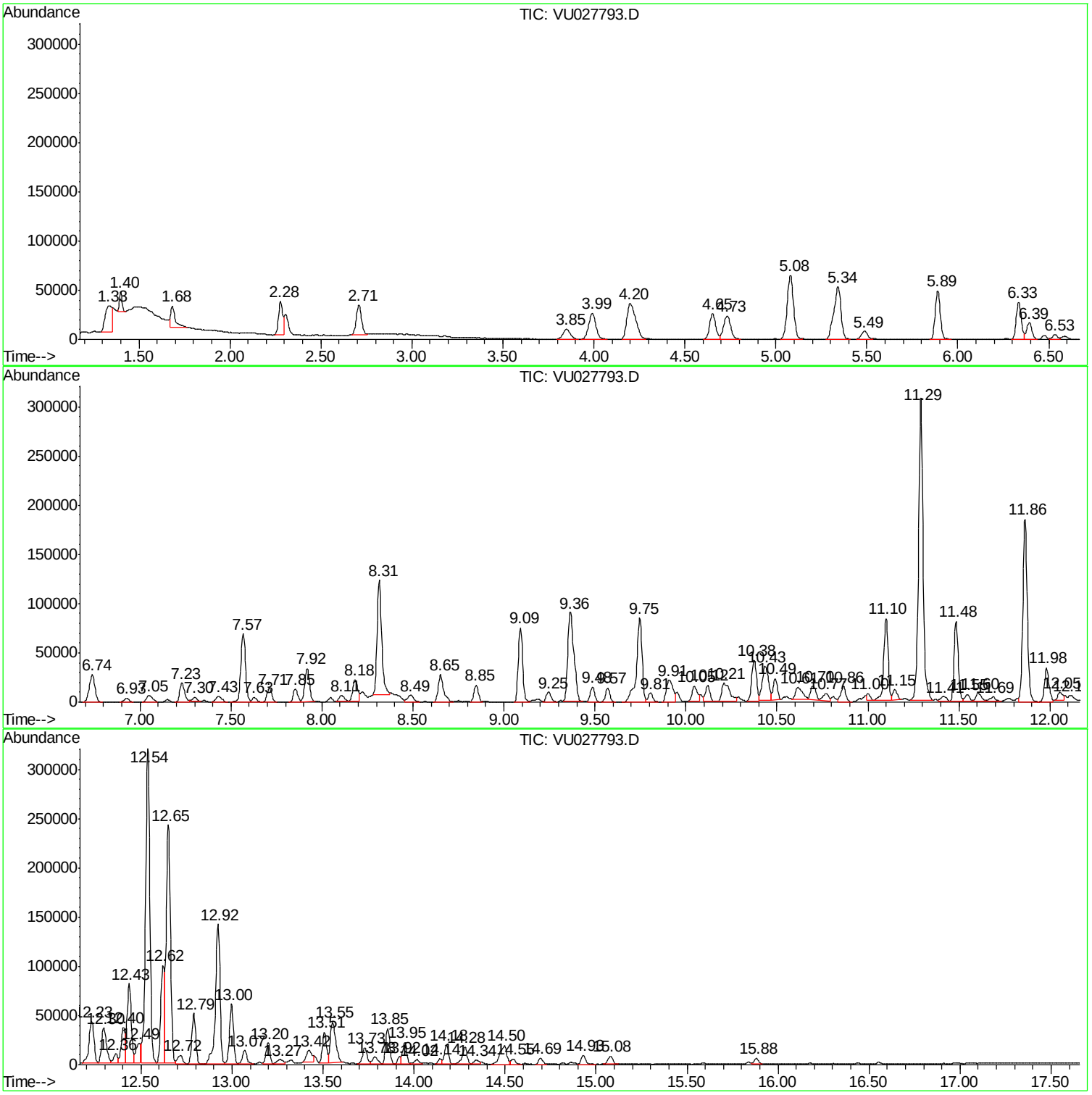
Sum of corrected areas: 6654410

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

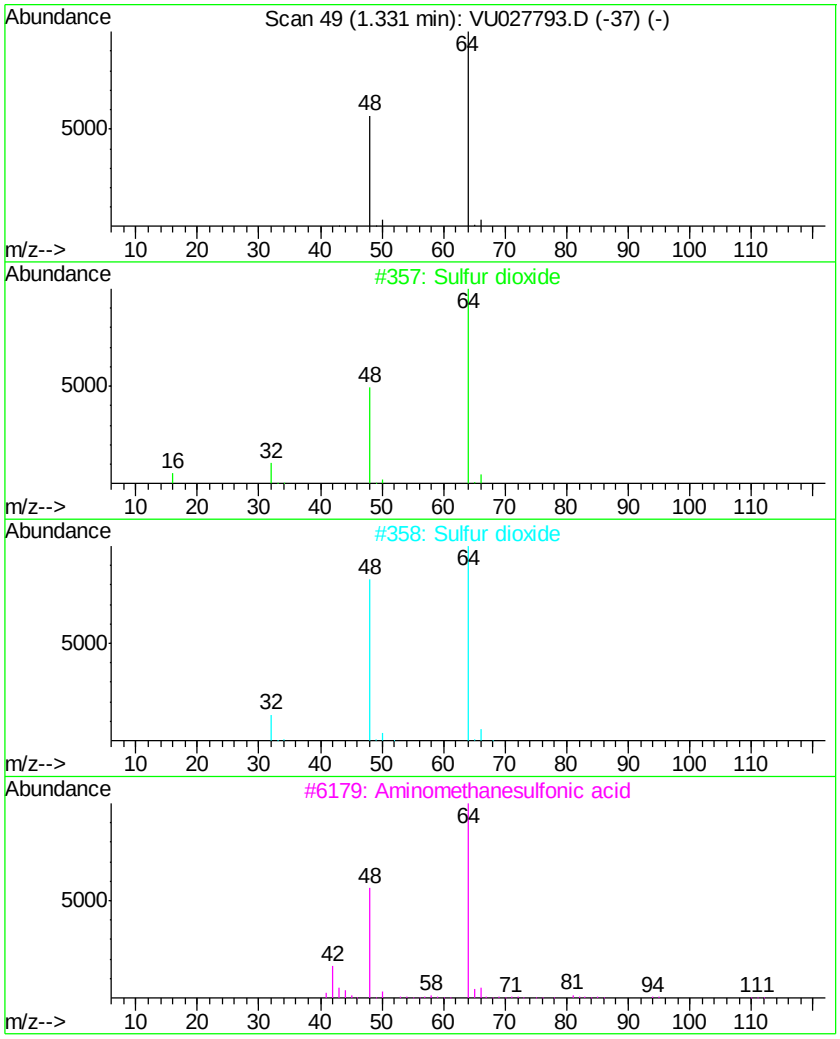
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

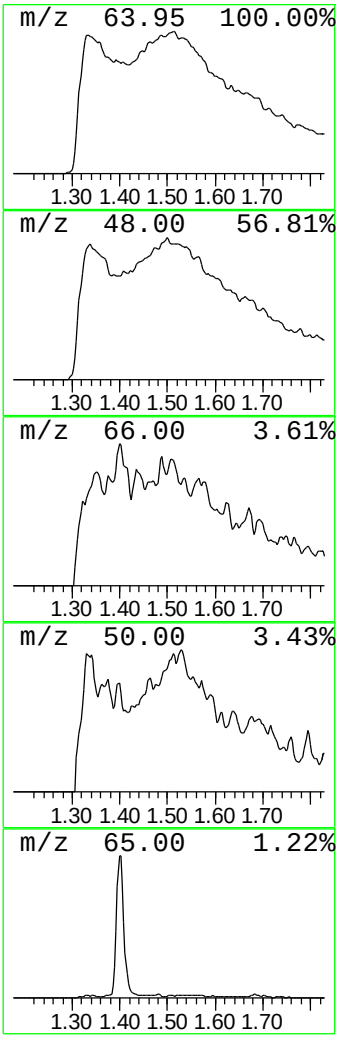
****

Peak Number 1 Sulfur dioxide Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.33	3.81 ug/L	72357	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Sulfur dioxide	64	O2S	007446-09-5	74
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
4	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
5	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

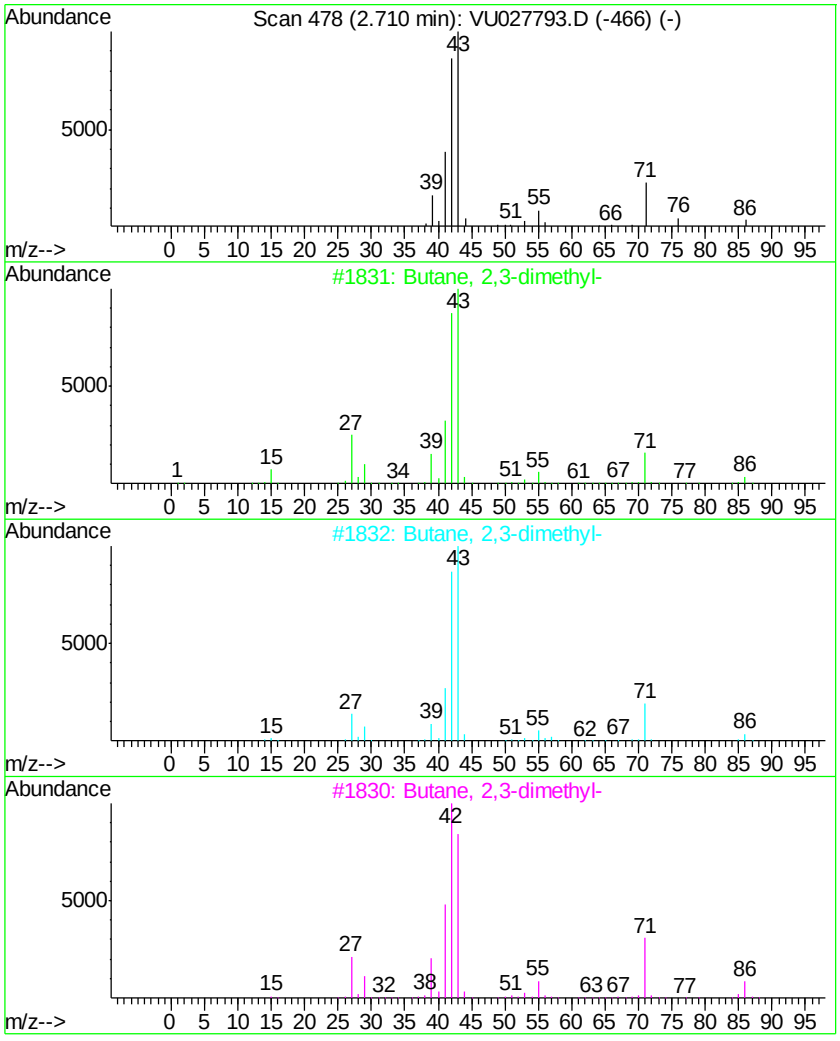
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

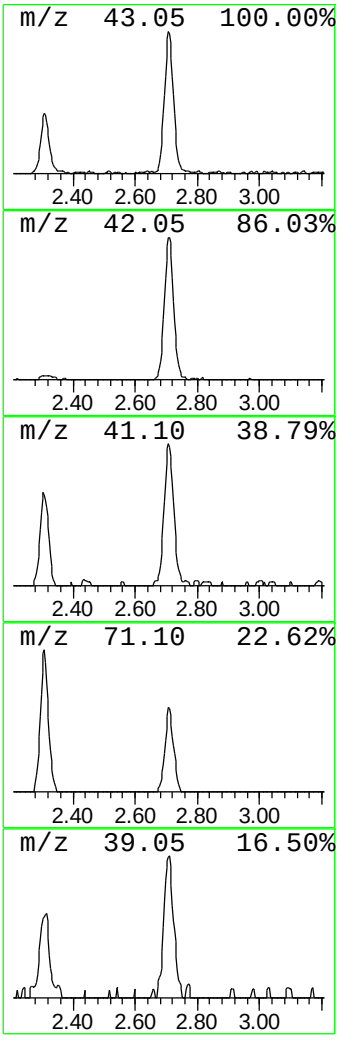
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.71	3.11 ug/L	59190	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	50
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	47
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

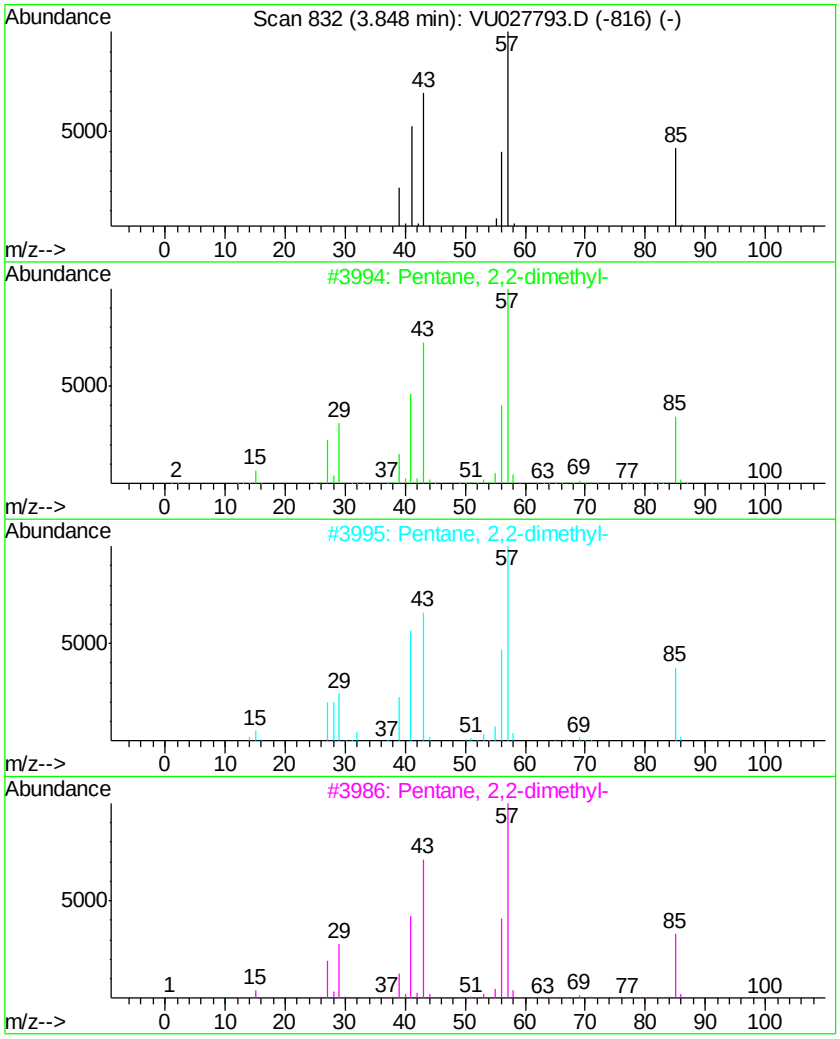
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

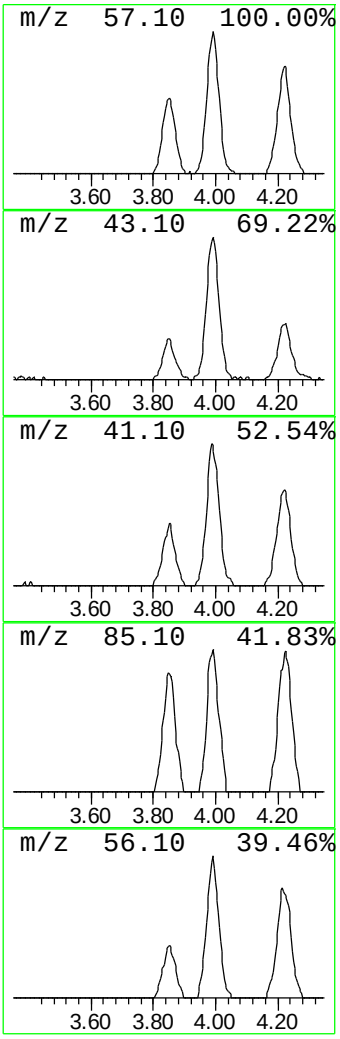
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.85	1.48 ug/L	28092	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
2	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
4	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	83
5	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	56





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

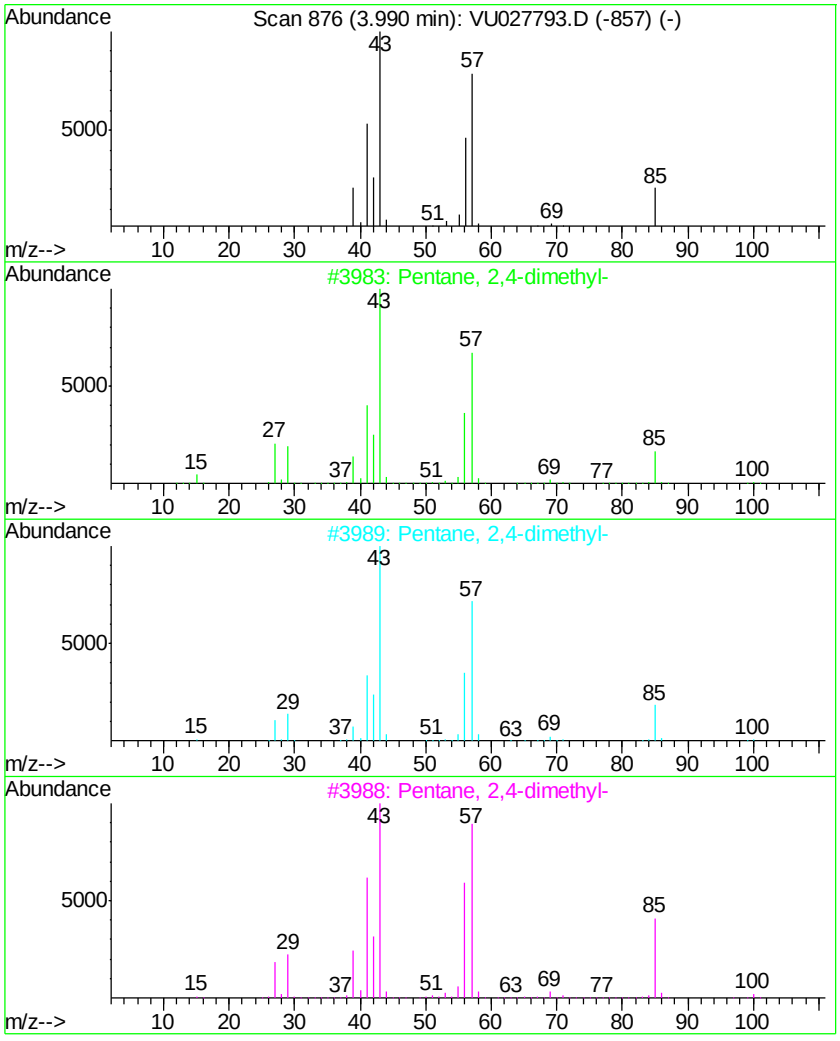
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

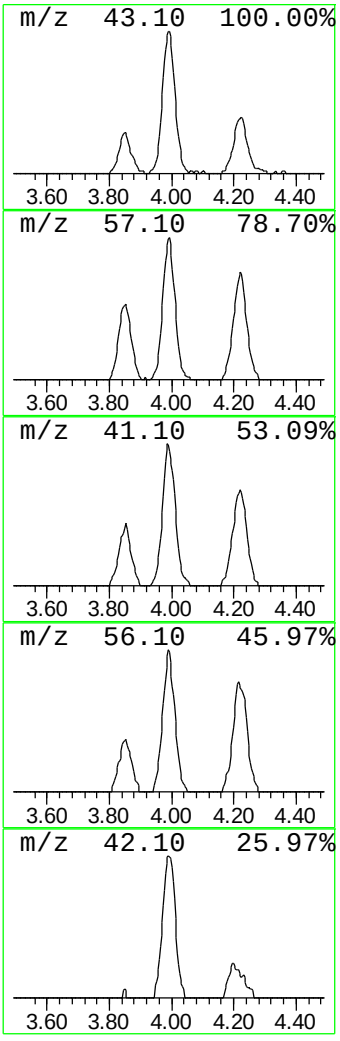
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.99	3.82 ug/L	72695	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	78
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	74
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

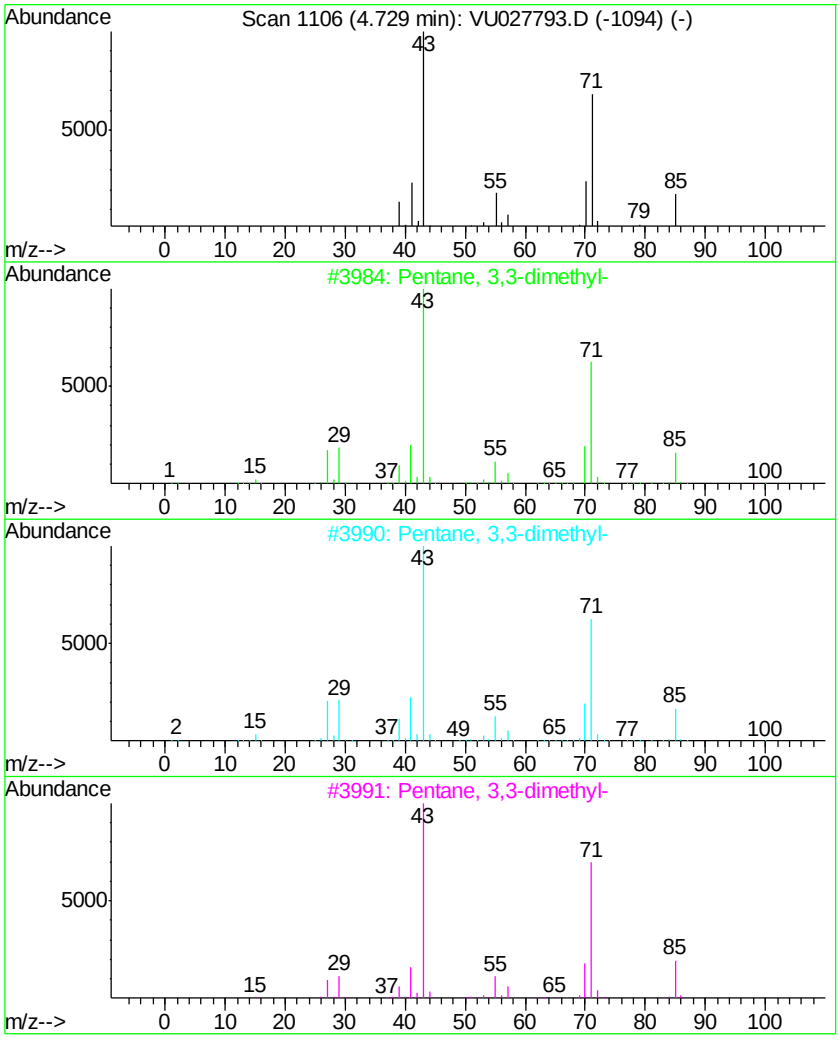
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

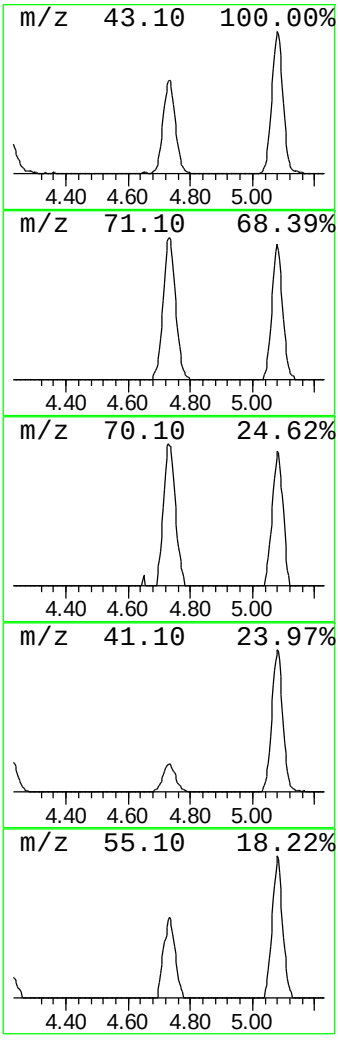
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.73	3.39 ug/L	64508	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	83
2	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	83
3	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	78
4	1-Butanol, 2,2-dimethyl-	102	C6H14O	001185-33-7	45
5	1-Butanol, 2,2-dimethyl-	102	C6H14O	001185-33-7	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

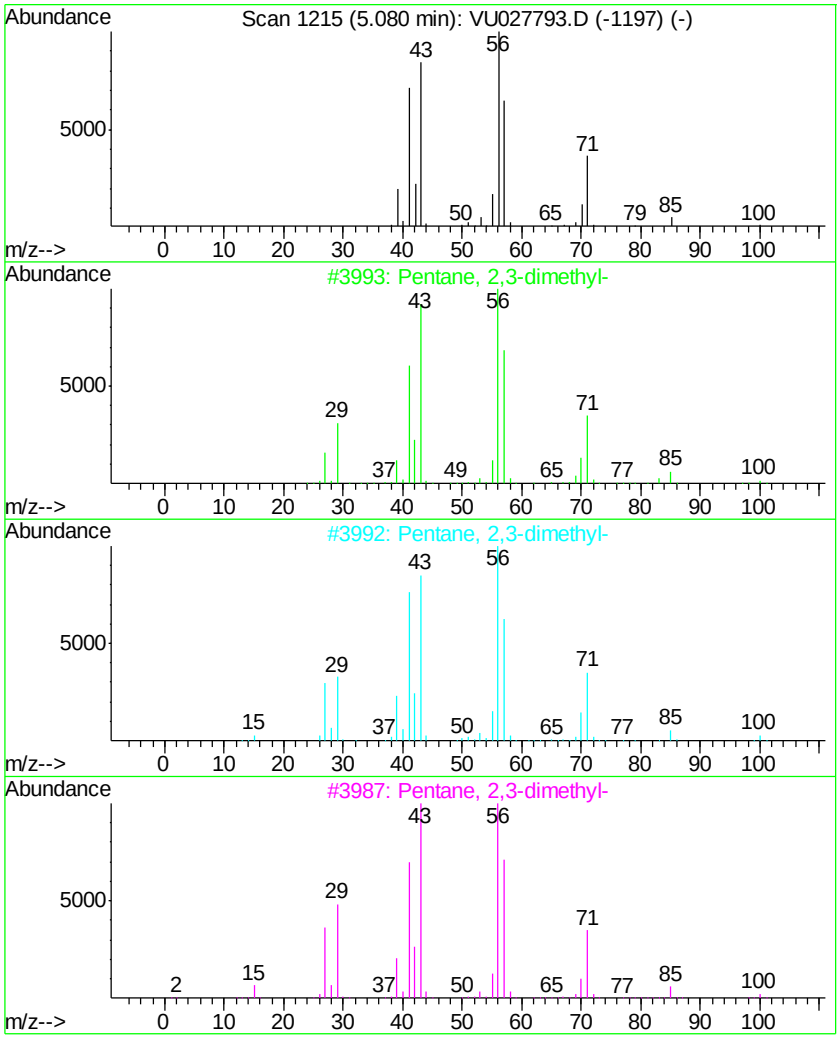
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

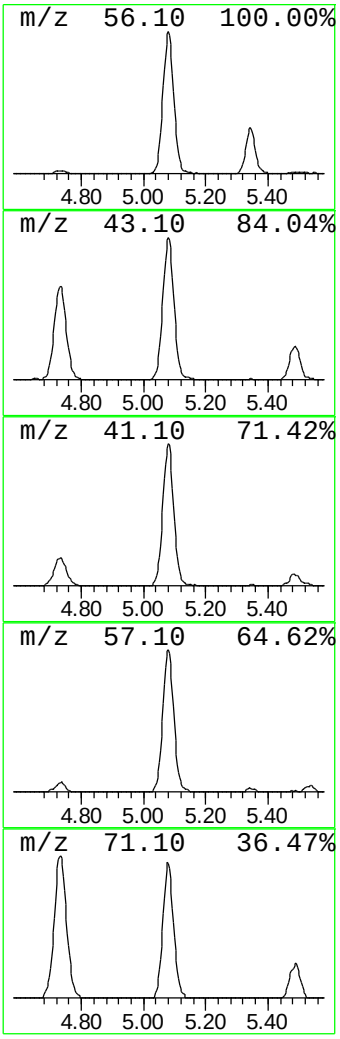
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	8.32 ug/L	158236	1,4-Difluorobenzene	5.89

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	59
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	58
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

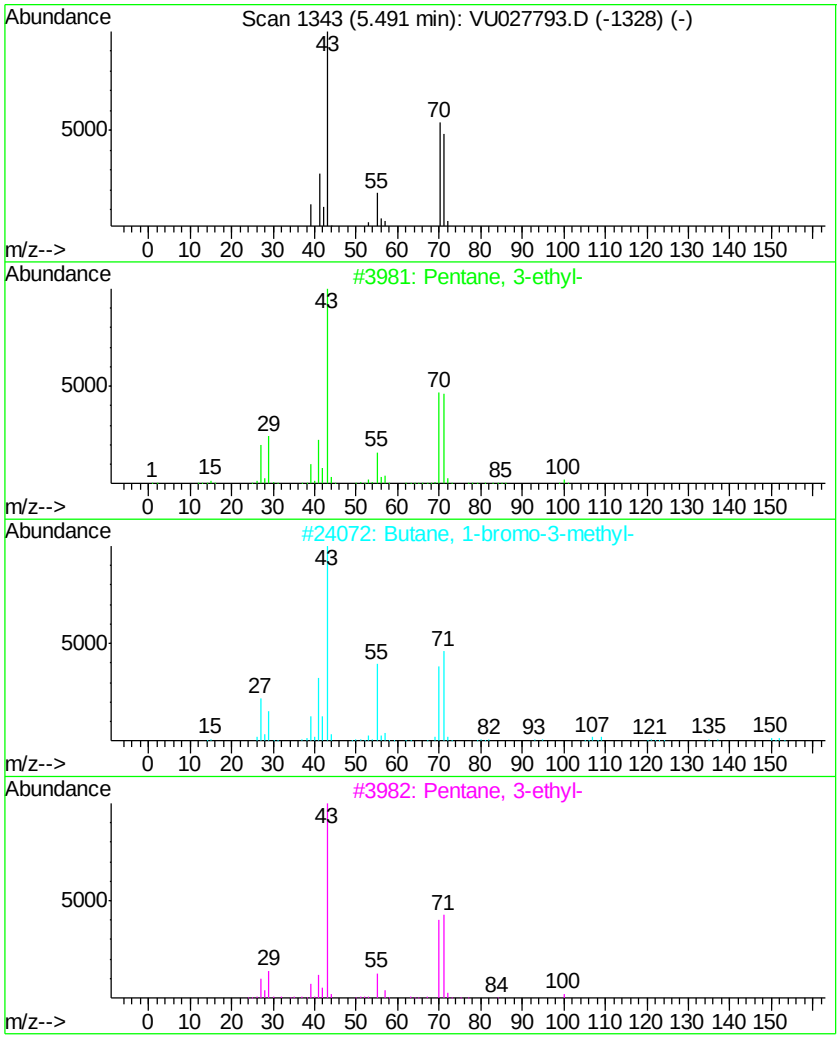
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

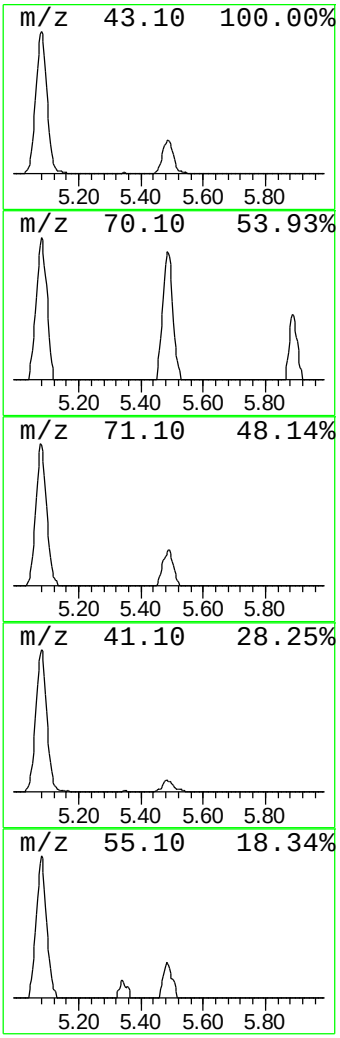
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.49	1.01 ug/L	19185	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
2	Butane, 1-bromo-3-methyl-	150	C5H11Br	000107-82-4	83
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	64
5	Pyrrolidine	71	C4H9N	000123-75-1	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

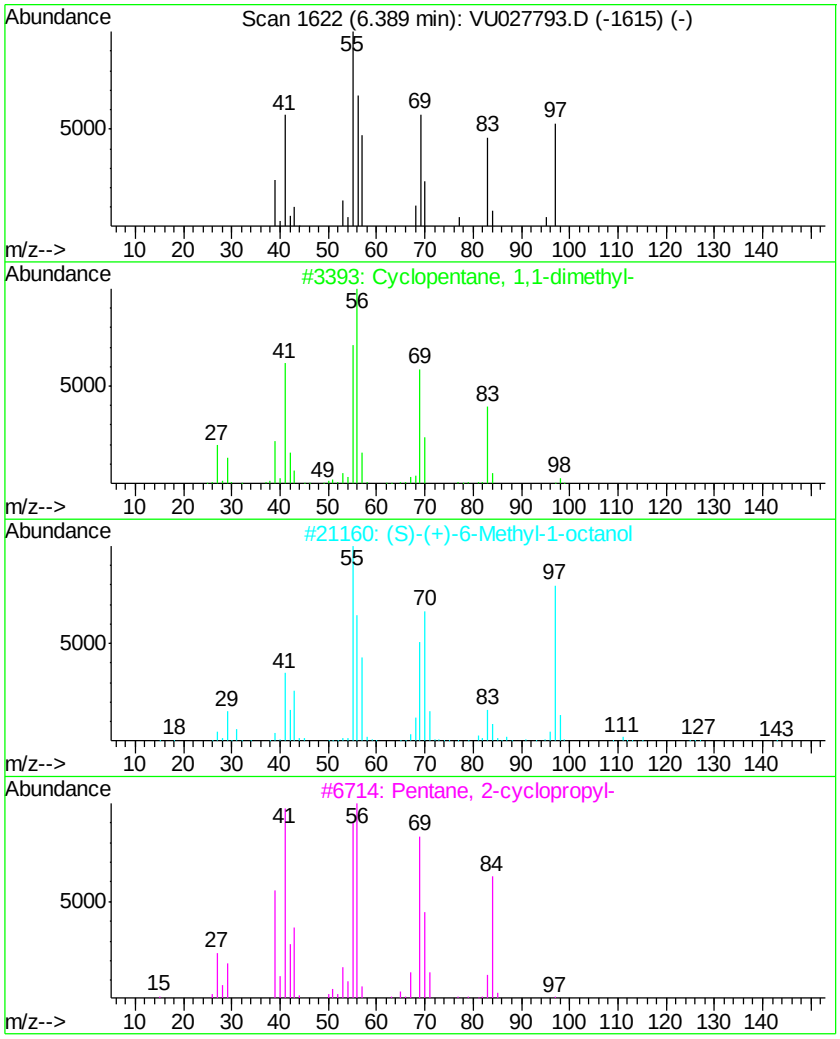
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

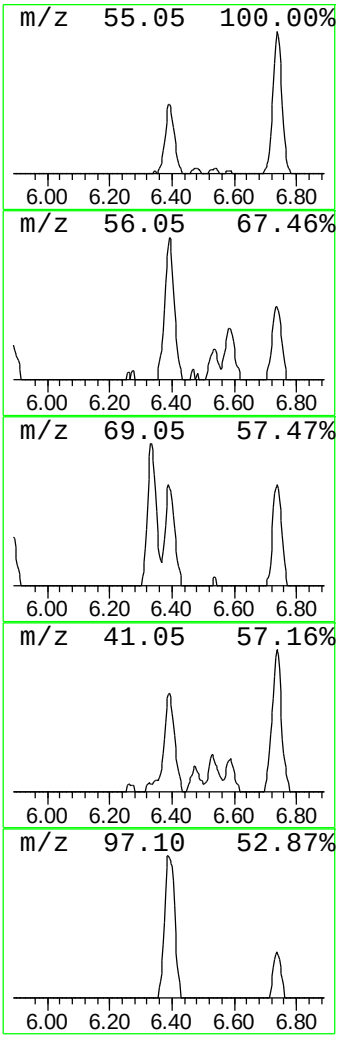
****

Peak Number 8 (DEL) Alkane: Cyclic6.39 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.39	1.81 ug/L	34334	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	50
2	(S)-(+)-6-Methyl-1-octanol	144	C9H20O	110453-78-6	45
3	Pentane, 2-cyclopropyl-	112	C8H16	005458-16-2	32
4	2-Hexenal, (E)-	98	C6H10O	006728-26-3	30
5	1-Hexene, 3,5-dimethyl-	112	C8H16	007423-69-0	28





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

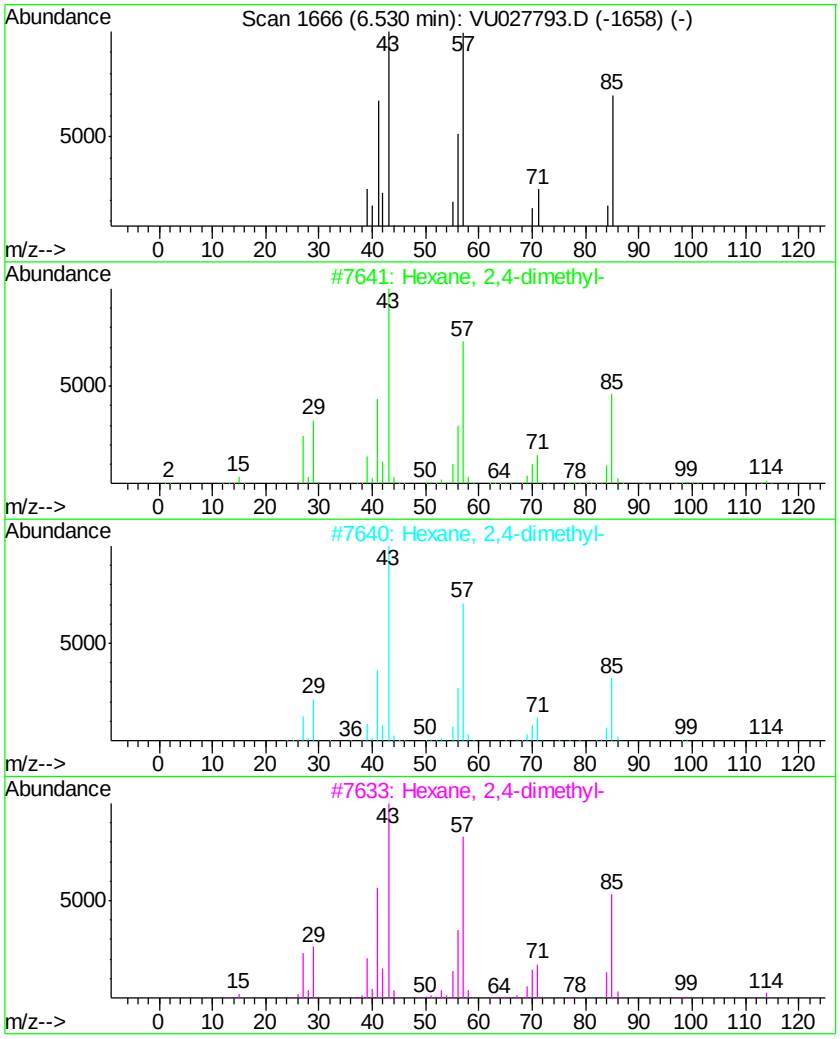
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

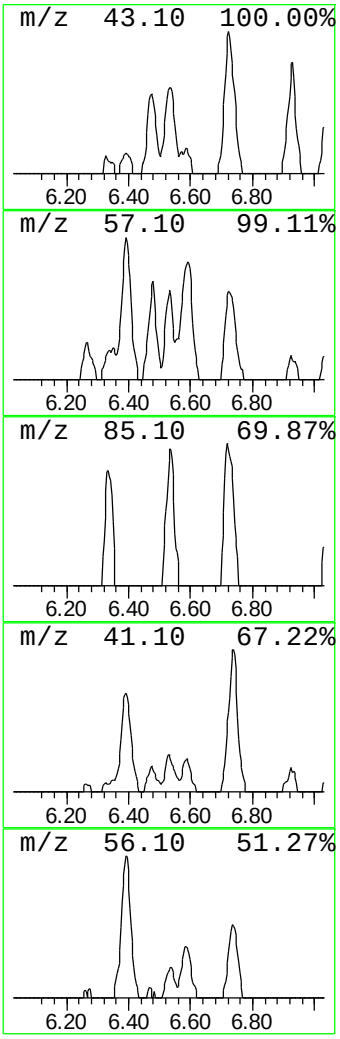
****

Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 69

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	0.50 ug/L	9564	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	78
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	78
3	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	78
4	Hexane, 1-propoxy-	144	C9H20O	053685-78-2	59
5	Oxalic acid, diisohexyl ester	258	C14H26O4	1000309-32-9	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

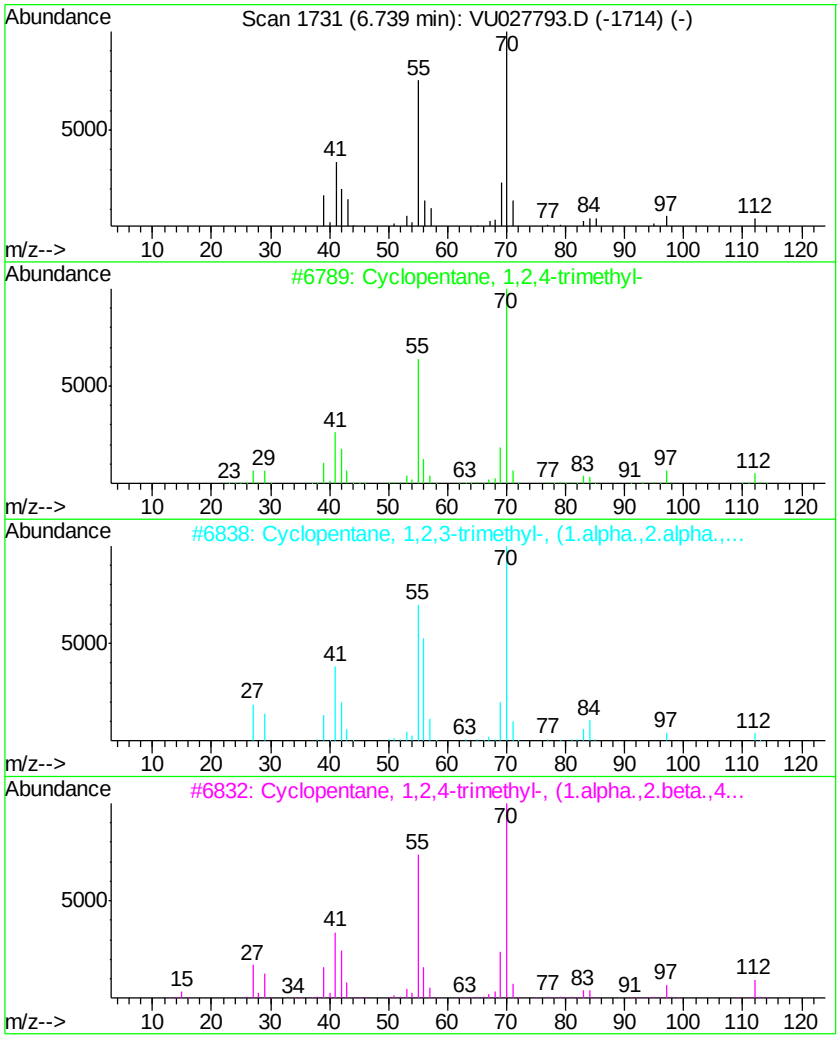
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

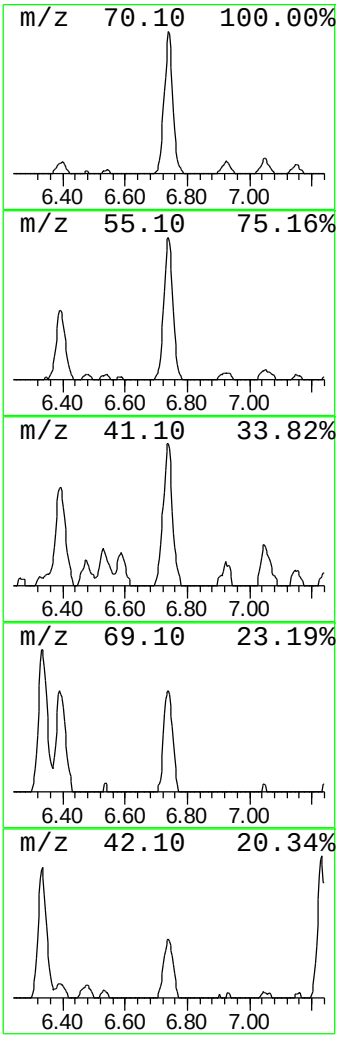
****

Peak Number 10 (DEL) Alkane: Cyclic6.74 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	3.09 ug/L	58800	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	90
2	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	83
3	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	016883-48-0	83
4	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	80
5	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

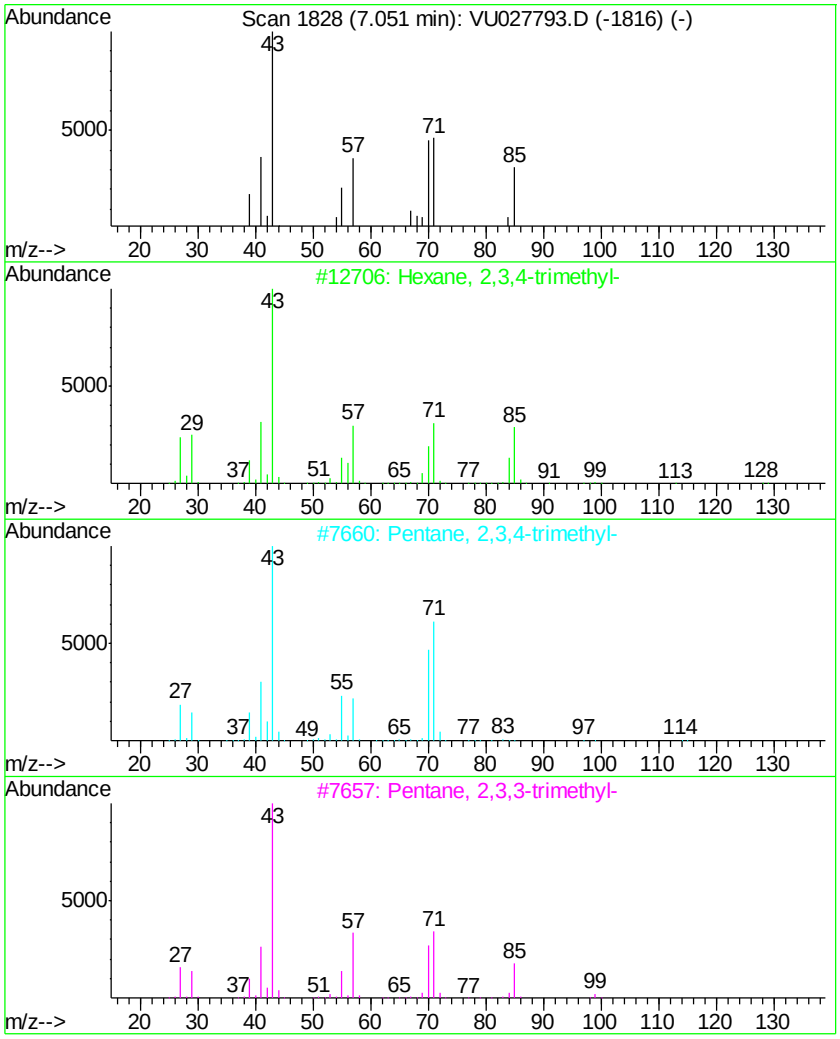
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

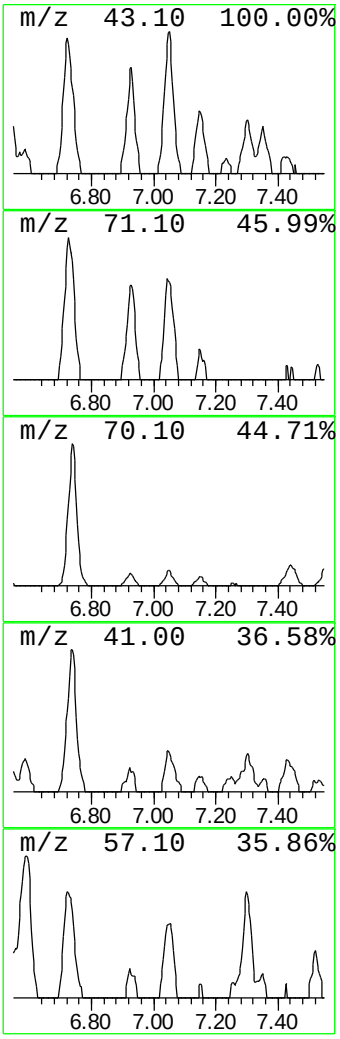
****

Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	0.80 ug/L	15263	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	45
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	38
3	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	38
4	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	38
5	Oxalic acid, isohexyl neopentyl ...	244	C13H24O4	1000309-73-0	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

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

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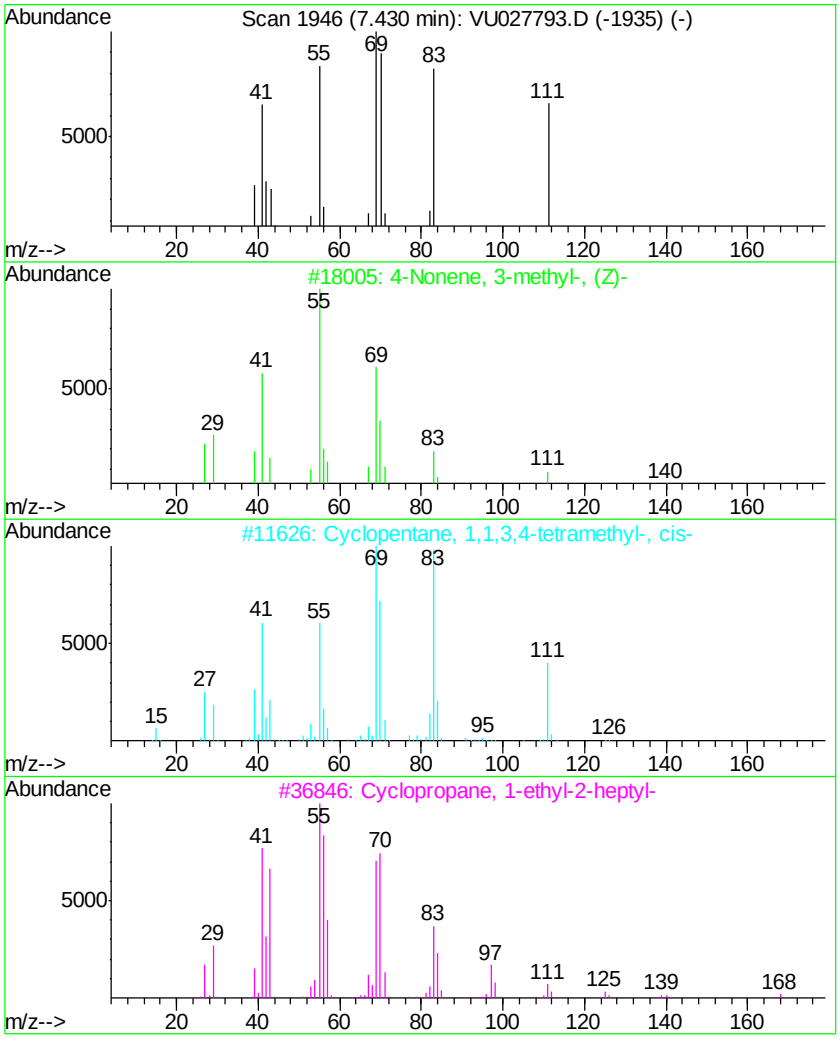
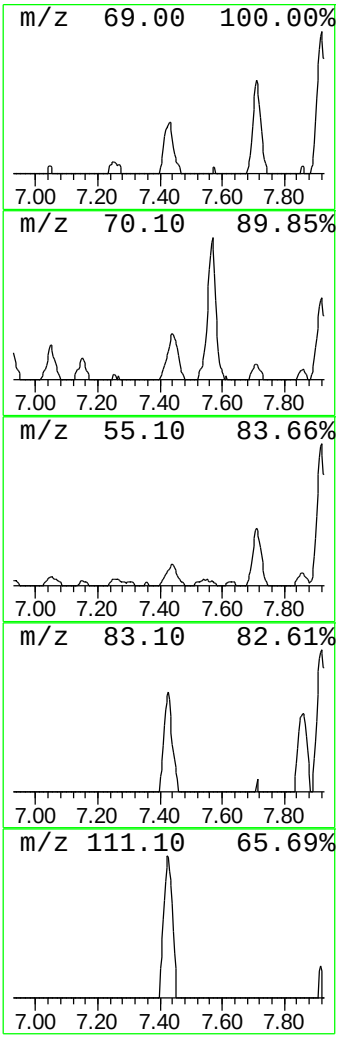
Peak Number 13 (DEL) Alkane: Cyclic7.43 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.43	0.69 ug/L	13086	1,4-Difluorobenzene	5.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	43
2	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	42
3	Cyclopropane, 1-ethyl-2-heptyl-	168	C12H24	074663-86-8	39
4	2-Octenal, (E)-	126	C8H14O	002548-87-0	37
5	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

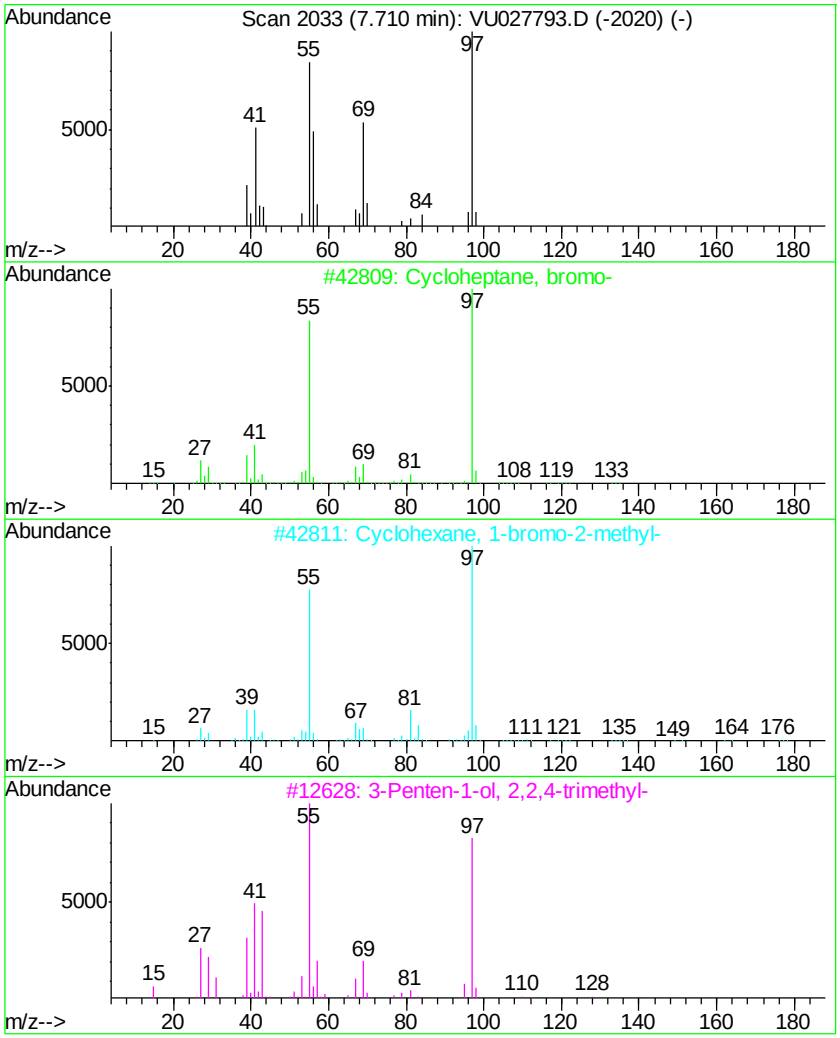
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

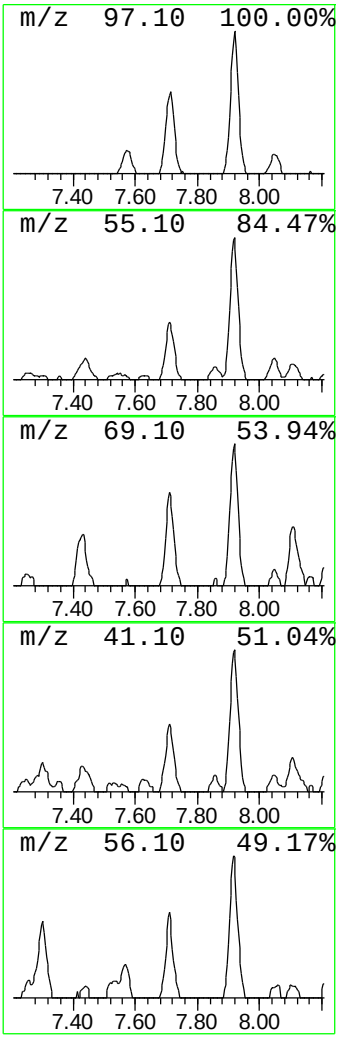
****

Peak Number 14 Cycloheptane, bromo- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.71	0.99 ug/L	24570	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloheptane, bromo-	176	C7H13Br	002404-35-5	50
2	Cyclohexane, 1-bromo-2-methyl-	176	C7H13Br	006294-39-9	50
3	3-Penten-1-ol, 2,2,4-trimethyl-	128	C8H16O	005842-53-5	47
4	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	45
5	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

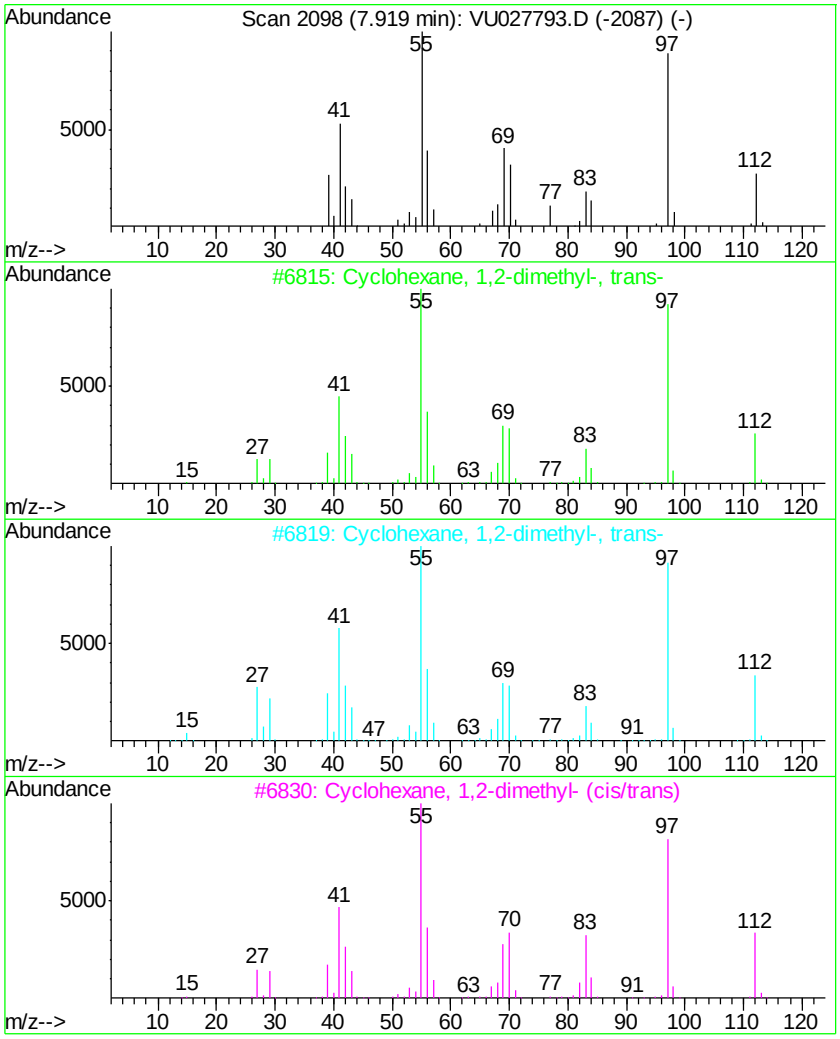
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

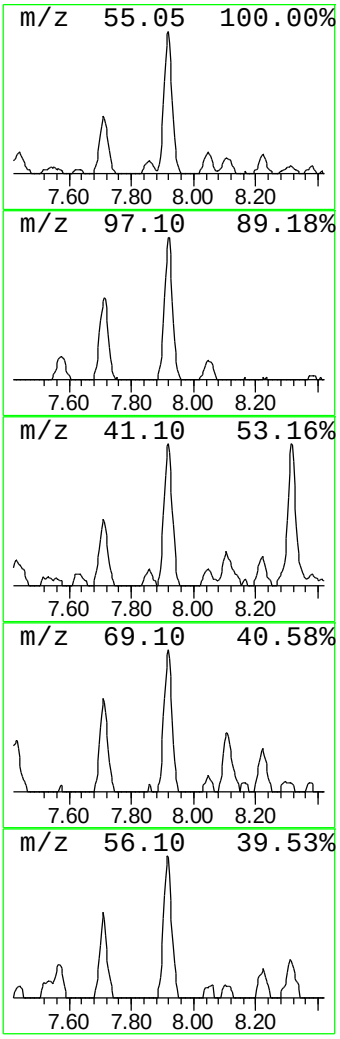
****

Peak Number 15 (DEL) Alkane: Cyclic7.92 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.92	2.48 ug/L	61332	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	97
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	96
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	93
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

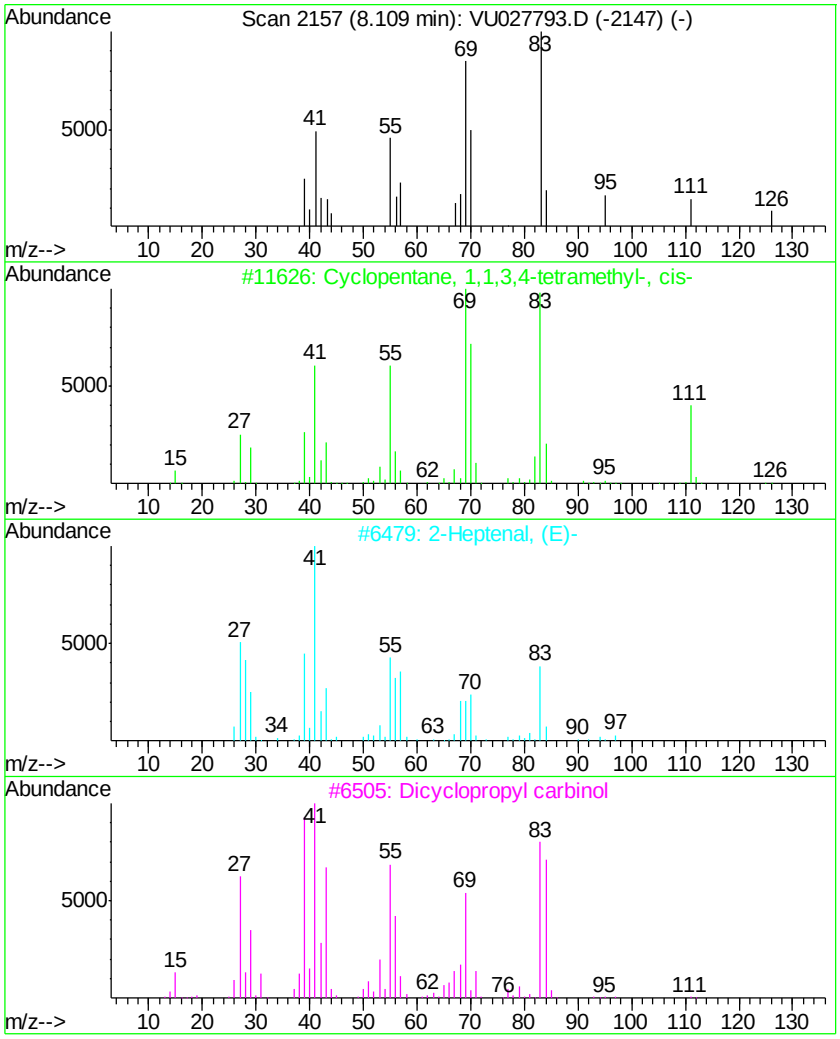
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

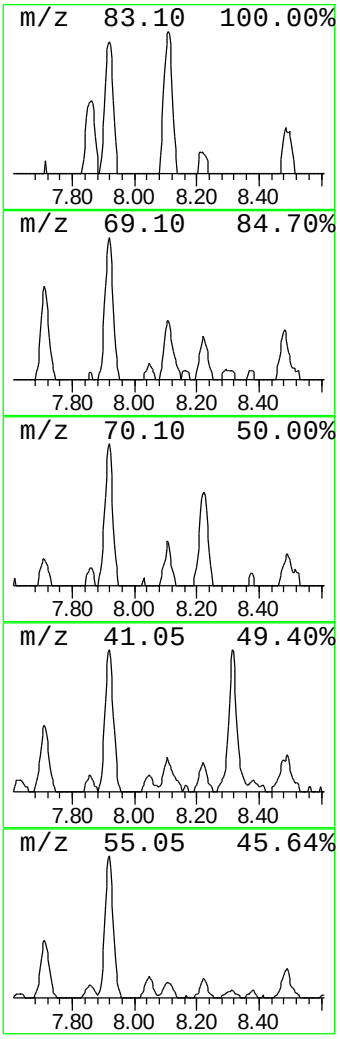
****

Peak Number 16 (DEL) Alkane: Cyclic8.11 Concentration Rank 68

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.11	0.54 ug/L	13268	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3,4-tetramethy...	126	C9H18	053907-60-1	72
2	2-Heptenal, (E)-	112	C7H12O	018829-55-5	32
3	Dicyclopropyl carbinol	112	C7H12O	014300-33-5	25
4	Cyclopentane, butyl-	126	C9H18	002040-95-1	25
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	23





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

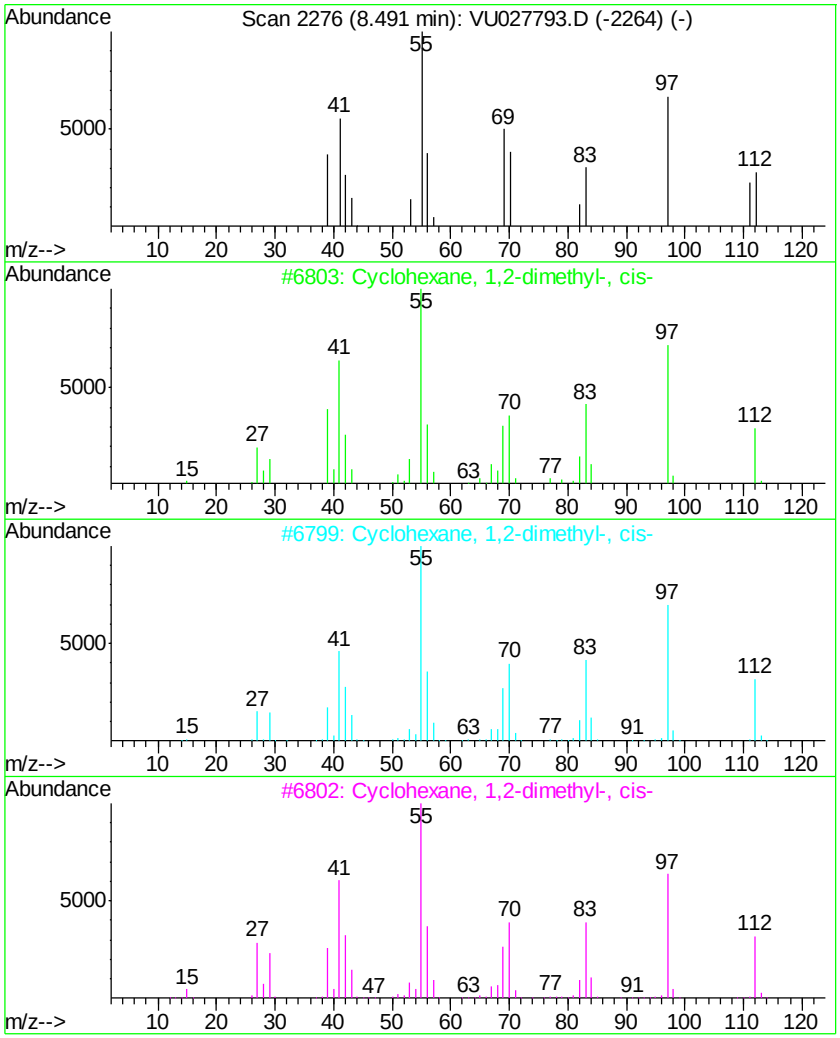
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

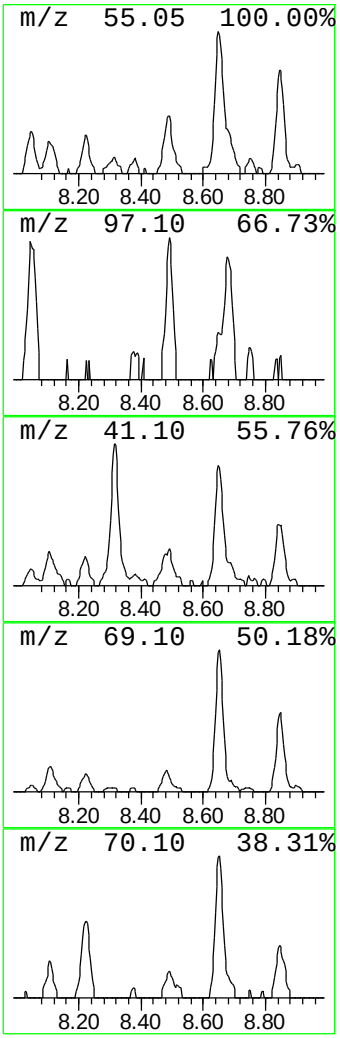
****

Peak Number 18 (DEL) Alkane: Cyclic8.49 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.49	0.67 ug/L	16664	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	70
3	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	70
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	58
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

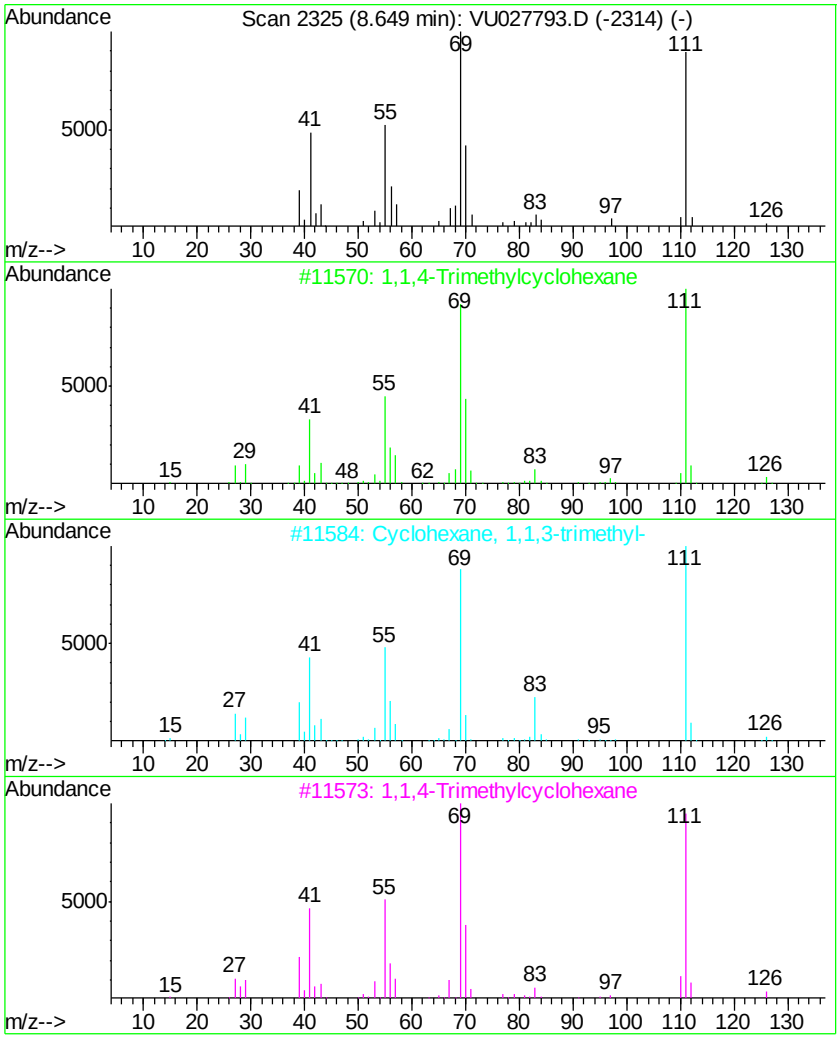
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

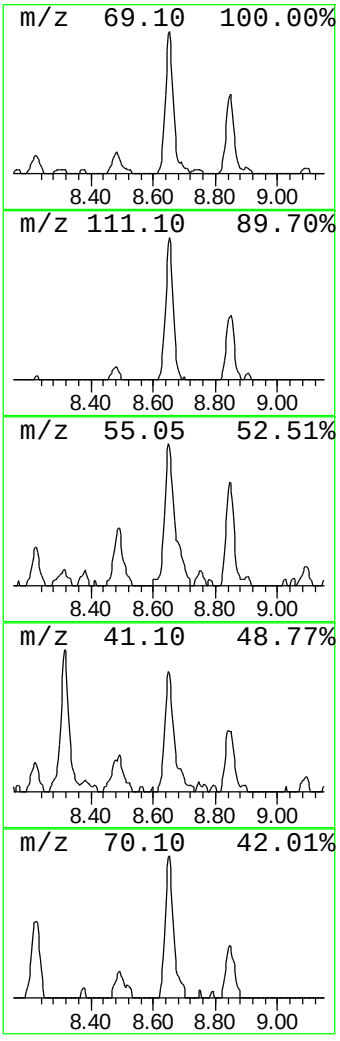
****

Peak Number 19 (DEL) Alkane: Cyclic8.65 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.65	2.26 ug/L	55898	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	83
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
3	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	78
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	62
5	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

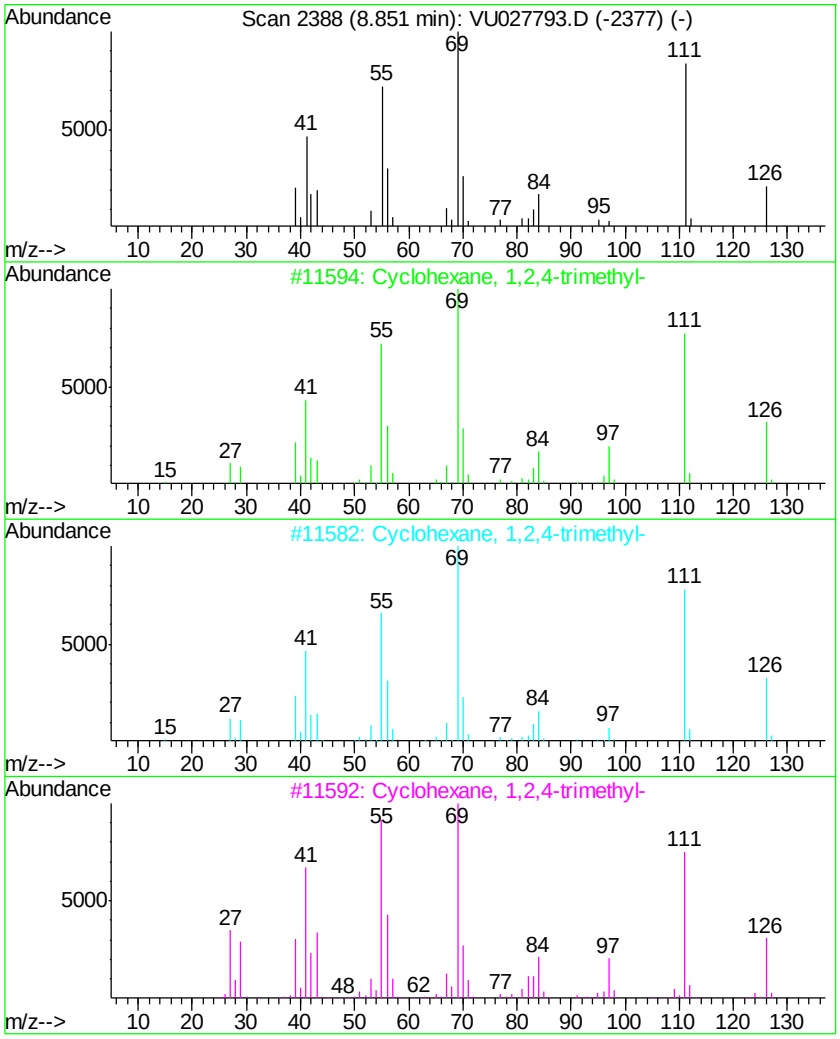
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

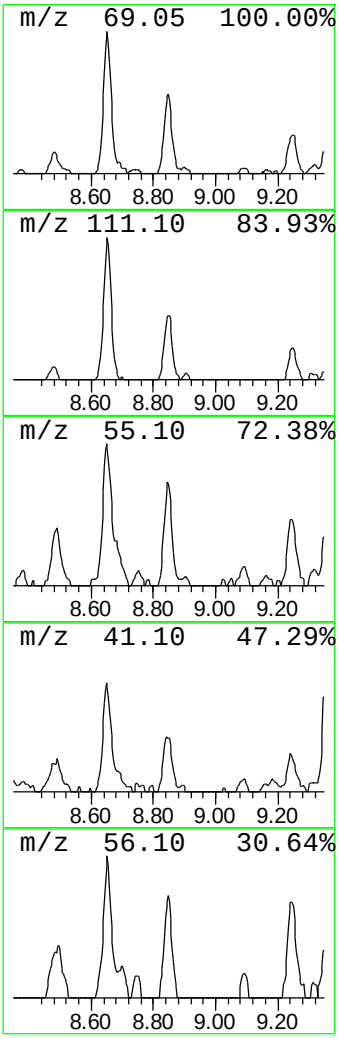
****

Peak Number 20 (DEL) Alkane: Cyclic8.85 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	1.13 ug/L	28028	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	94
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	91
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	91
4	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	90
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

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

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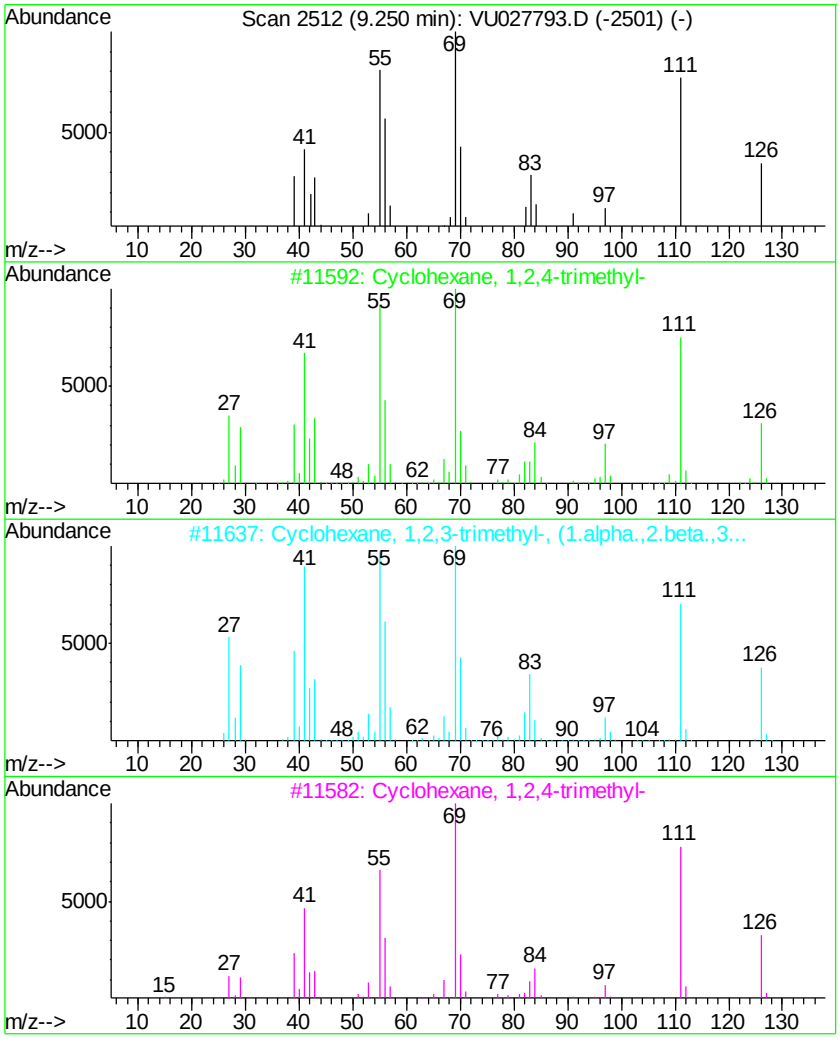
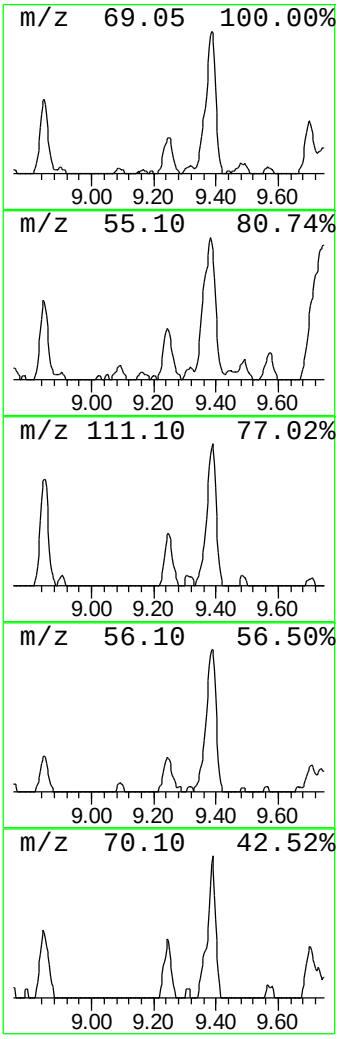
Peak Number 21 (DEL) Alkane: Cyclic9.25 Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	0.77 ug/L	18935	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	81
2	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	81
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	72
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	72
5	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

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

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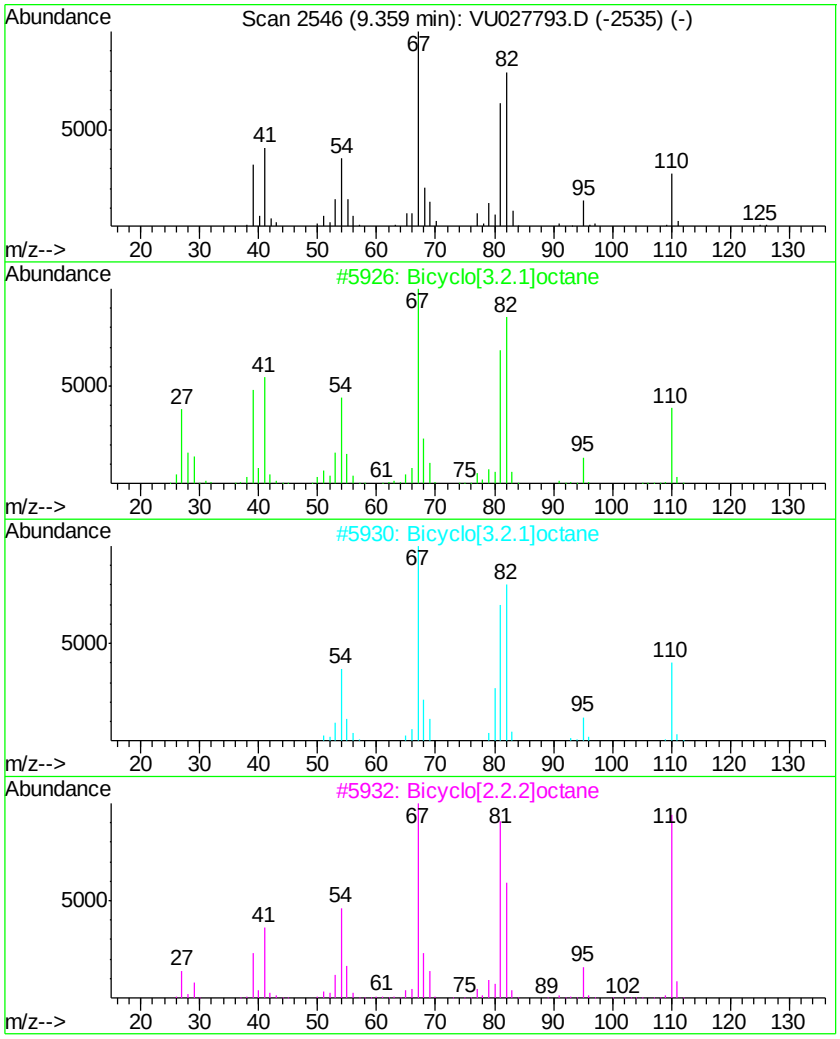
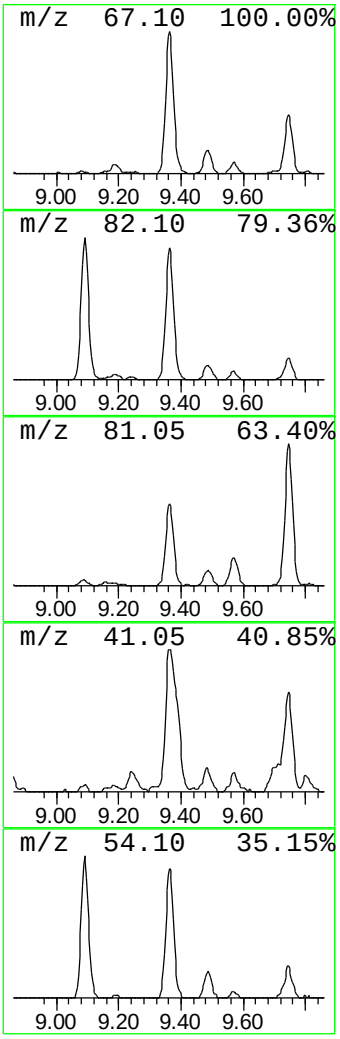
Peak Number 22 Bicyclo[3.2.1]octane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.36	8.49 ug/L	210066	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	96
2	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	94
3	Bicyclo[2.2.2]octane	110	C8H14	000280-33-1	81
4	Bicyclo[2.2.2]octane	110	C8H14	000280-33-1	81
5	Pentalene, octahydro-, cis-	110	C8H14	001755-05-1	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

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

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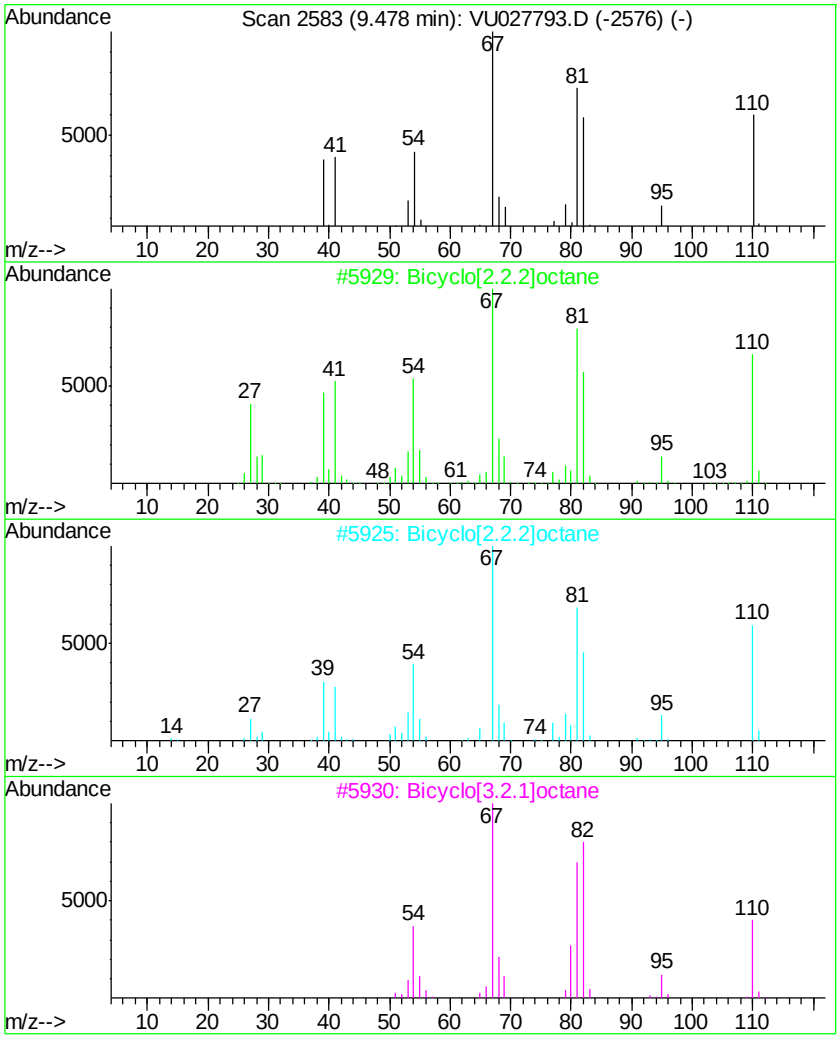
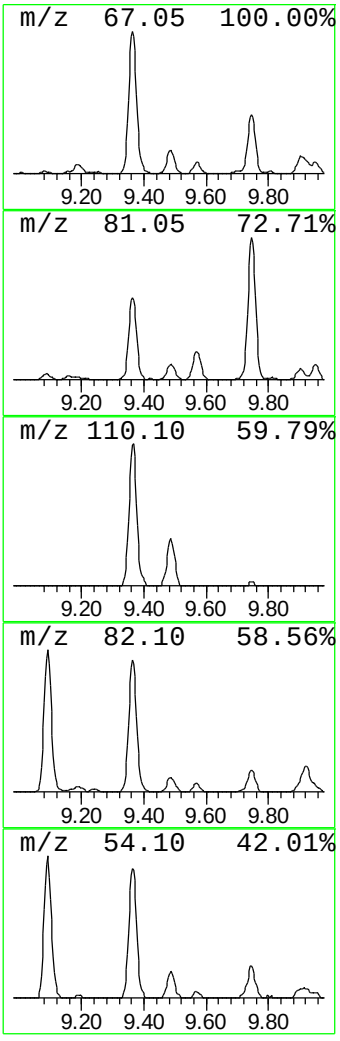
Peak Number 23 Bicyclo[2.2.2]octane Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	1.06 ug/L	26239	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.2]octane	110	C8H14	000280-33-1	96
2	Bicyclo[2.2.2]octane	110	C8H14	000280-33-1	96
3	Bicyclo[3.2.1]octane	110	C8H14	006221-55-2	93
4	Bicyclo[2.2.2]octane	110	C8H14	000280-33-1	76
5	Cyclooctene, (Z)-	110	C8H14	000931-87-3	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

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

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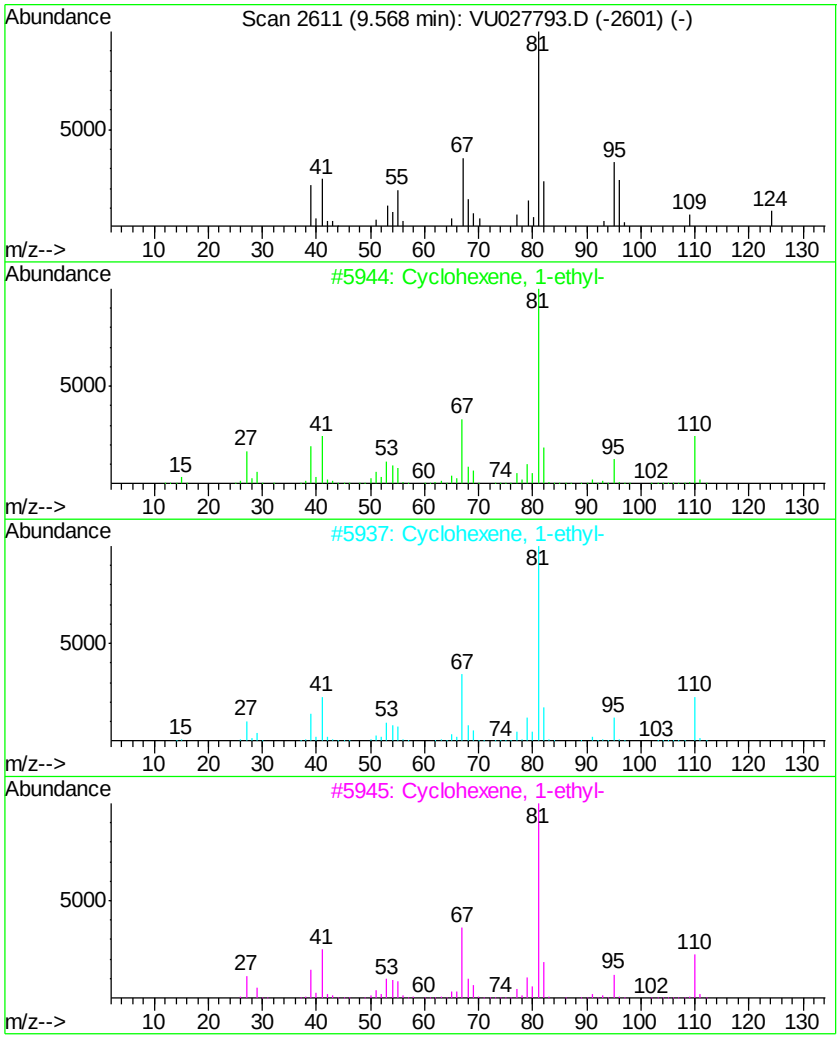
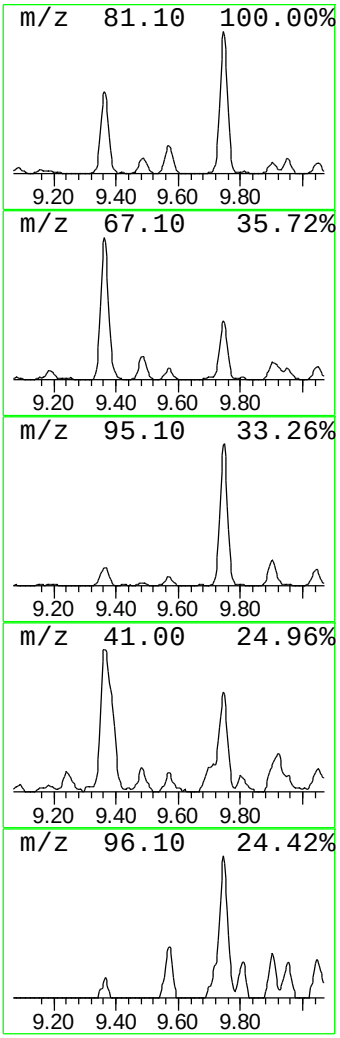
Peak Number 24 Cyclohexene, 1-ethyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	0.94 ug/L	23223	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	64
2	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	59
3	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	59
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	58
5	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

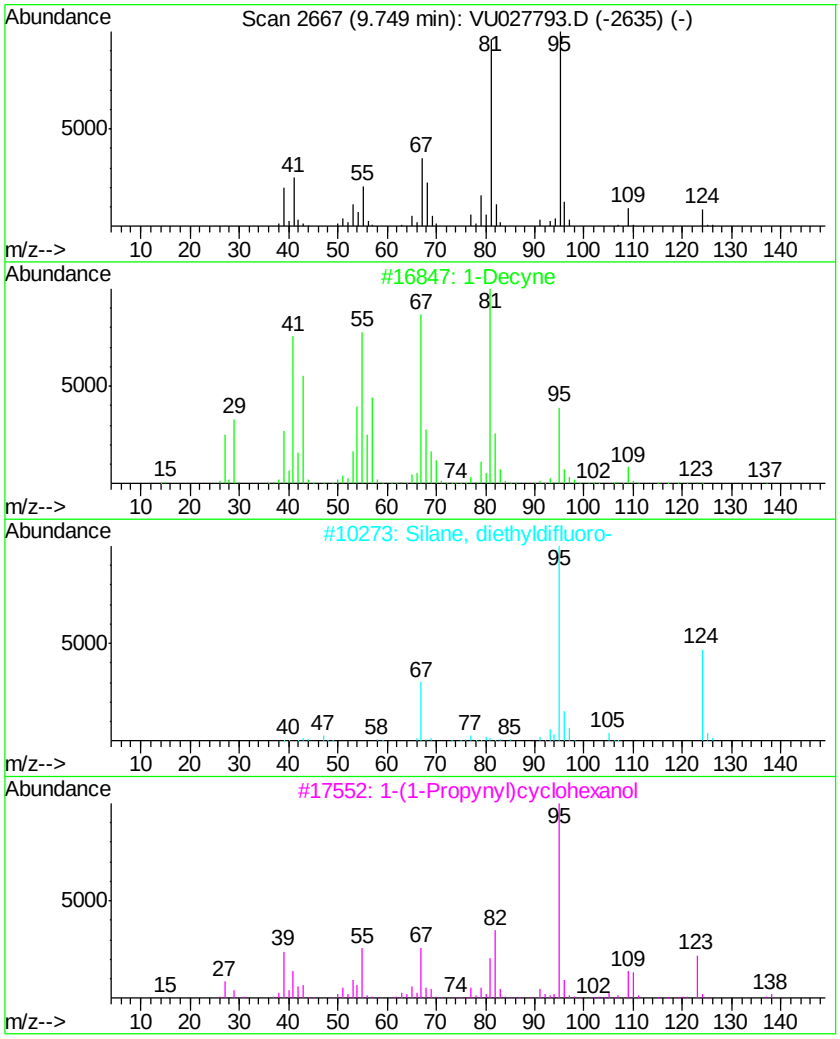
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

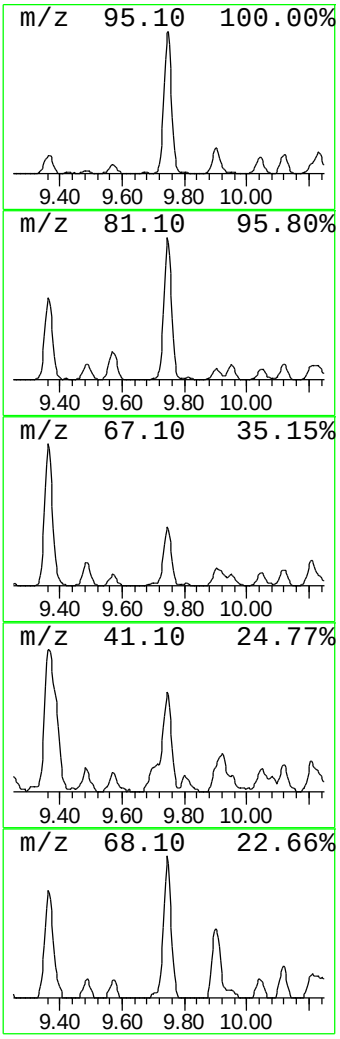
****

Peak Number 25 1-Decyne Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	7.36 ug/L	181975	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decyne	138	C10H18	000764-93-2	64
2	Silane, diethyldifluoro-	124	C4H10F2Si	000358-06-5	38
3	1-(1-Propynyl)cyclohexanol	138	C9H14O	000697-37-0	38
4	1,5-Hexadiene, 2-methyl-	96	C7H12	004049-81-4	38
5	1,5-Hexadiene, 2-methyl-	96	C7H12	004049-81-4	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

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

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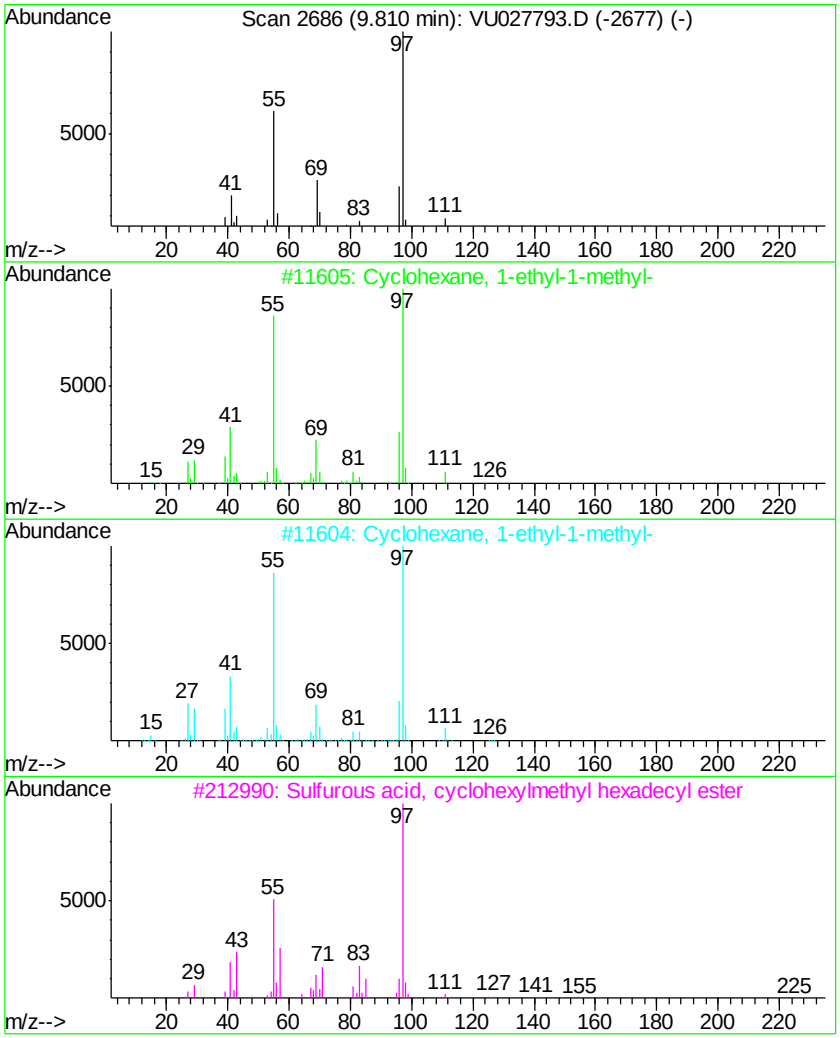
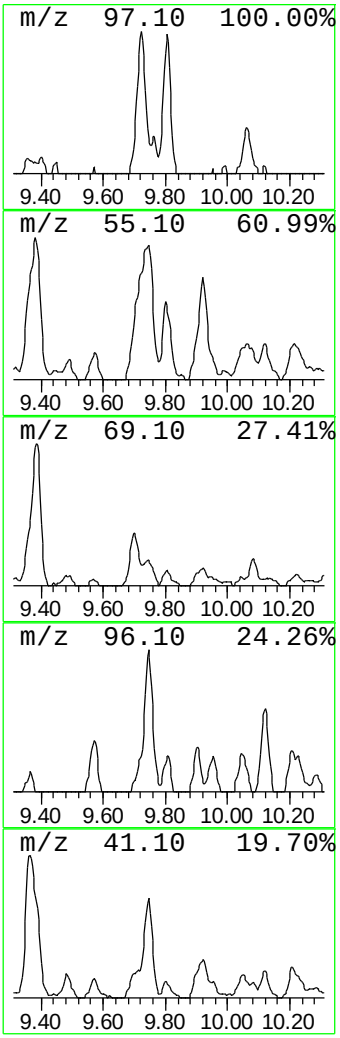
Peak Number 26 (DEL) Alkane: Cyclic9.81 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	0.61 ug/L	15189	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	83
2	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	83
3	Sulfurous acid, cyclohexylmethyl...	402	C23H46O3S	1000309-22-4	72
4	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	64
5	Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

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

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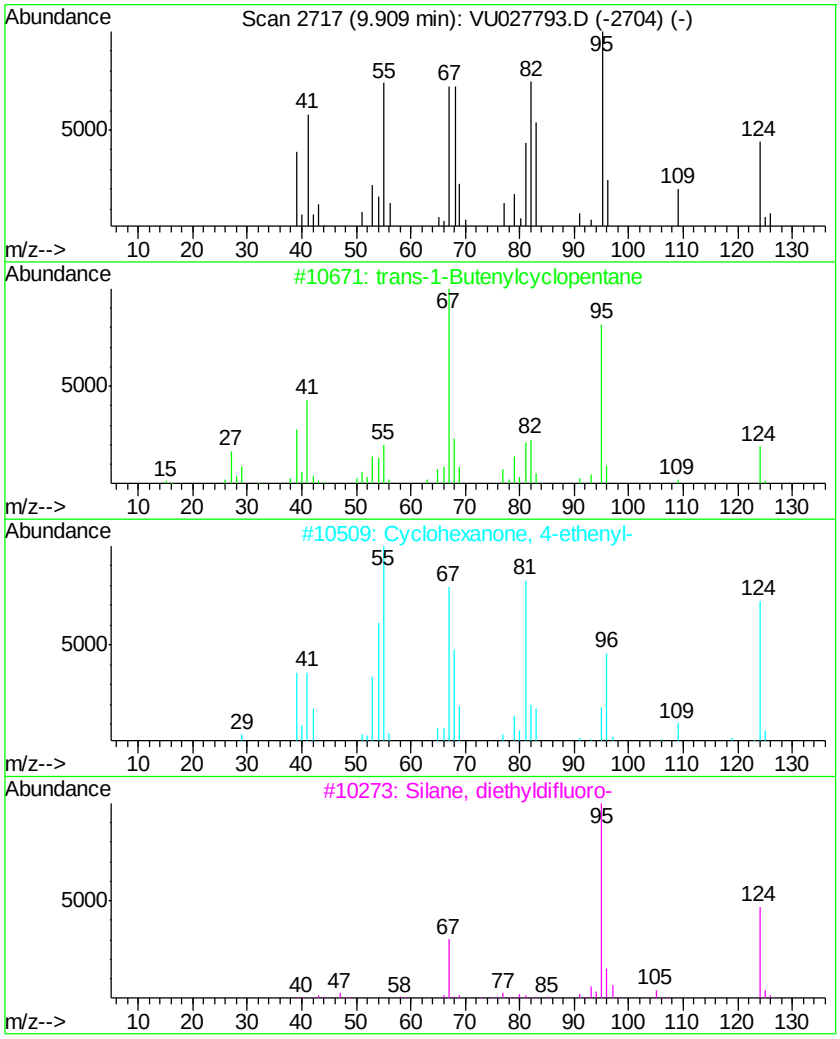
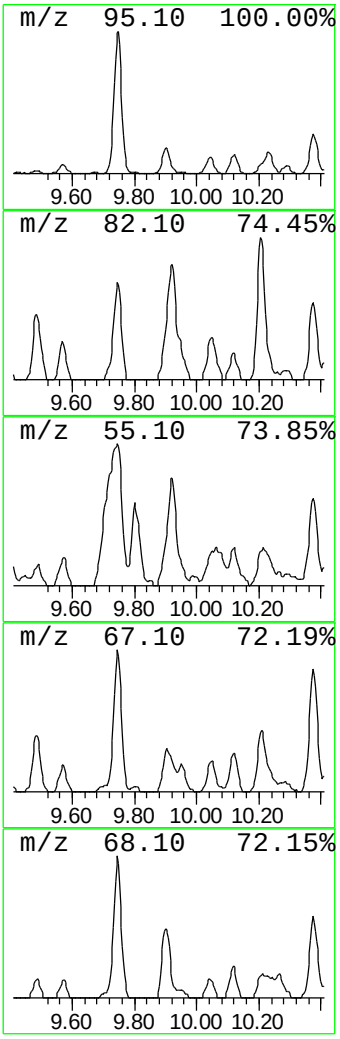
Peak Number 27 unknown-01 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.91	2.27 ug/L	56250	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-1-Butenylcyclopentane	124	C9H16	1000113-50-9	47
2	Cyclohexanone, 4-ethenyl-	124	C8H12O	001740-64-3	46
3	Silane, diethyldifluoro-	124	C4H10F2Si	000358-06-5	46
4	1,3-Hexadiene, 3-ethyl-2-methyl-	124	C9H16	061142-36-7	43
5	Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	091884-67-2	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

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

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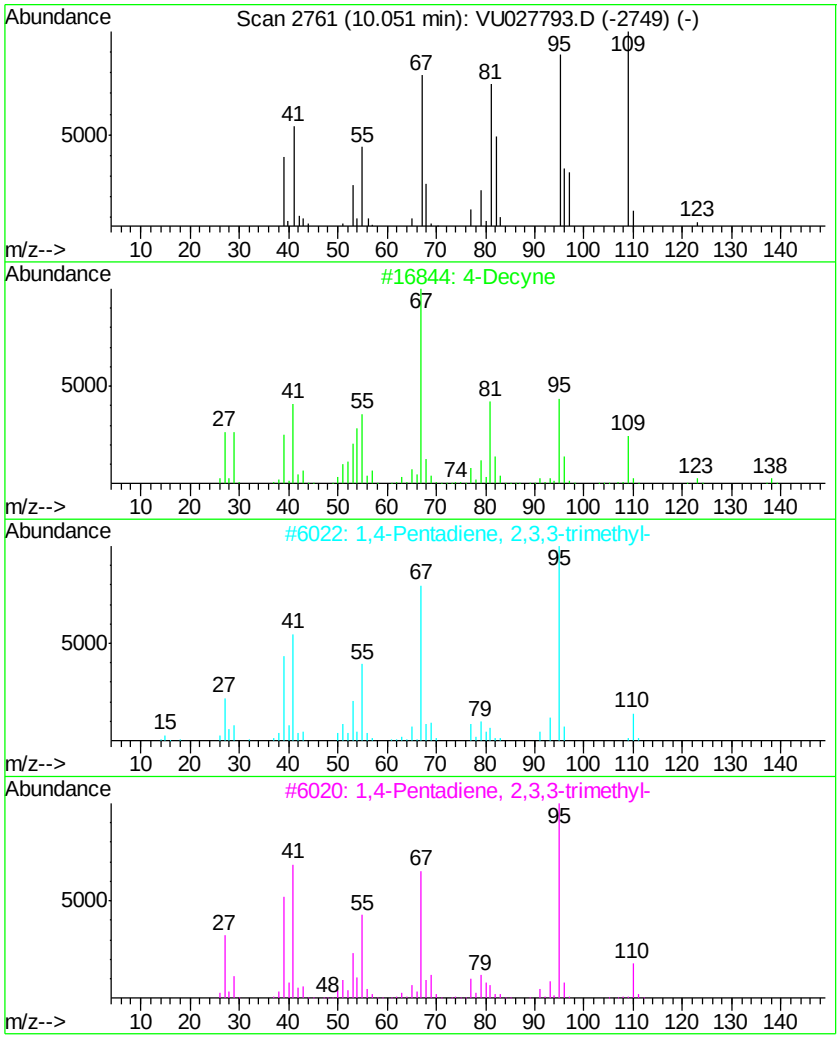
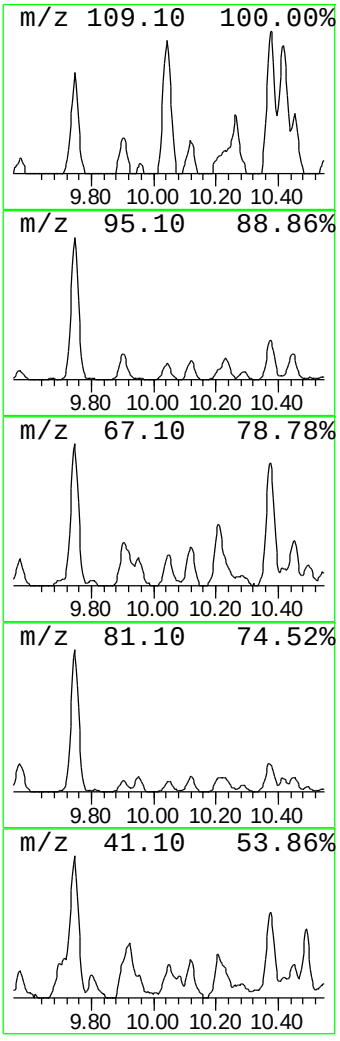
Peak Number 28 unknown-02 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.05	1.33 ug/L	32989	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Decyne	138	C10H18	002384-86-3	47
2	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	42
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	30
4	Bicyclo[5.1.0]octane	110	C8H14	000286-43-1	30
5	2,6-Pyridinediamine	109	C5H7N3	000141-86-6	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

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

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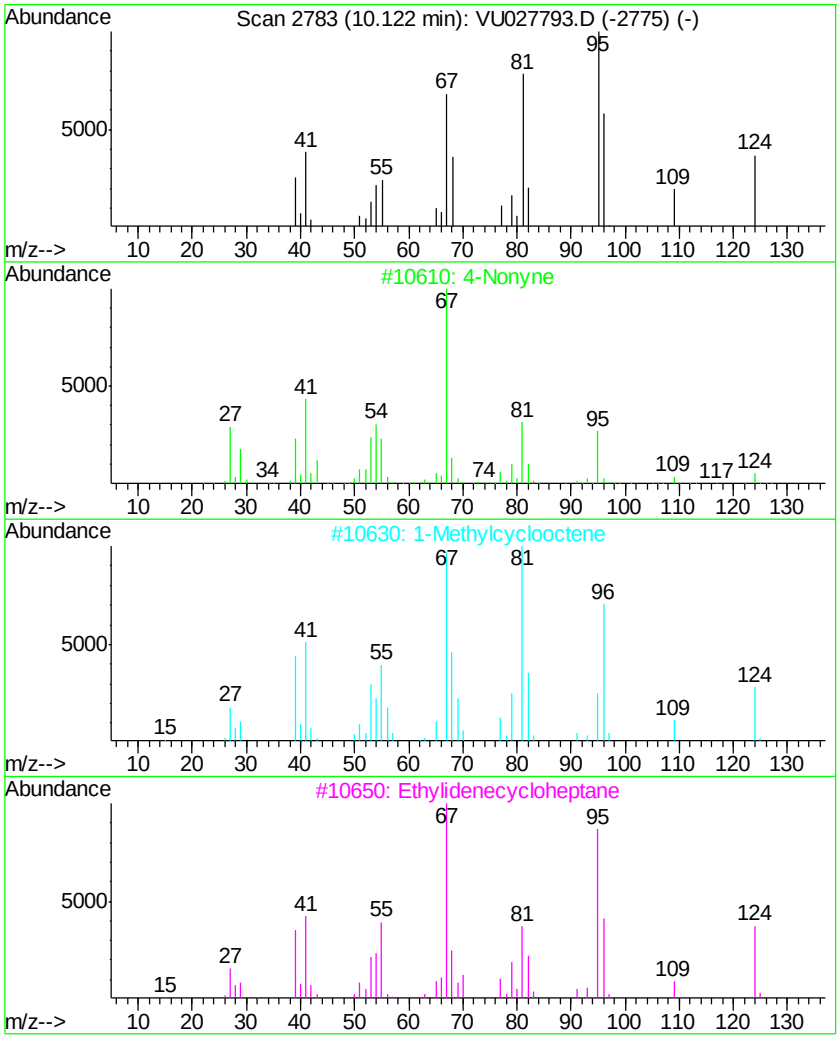
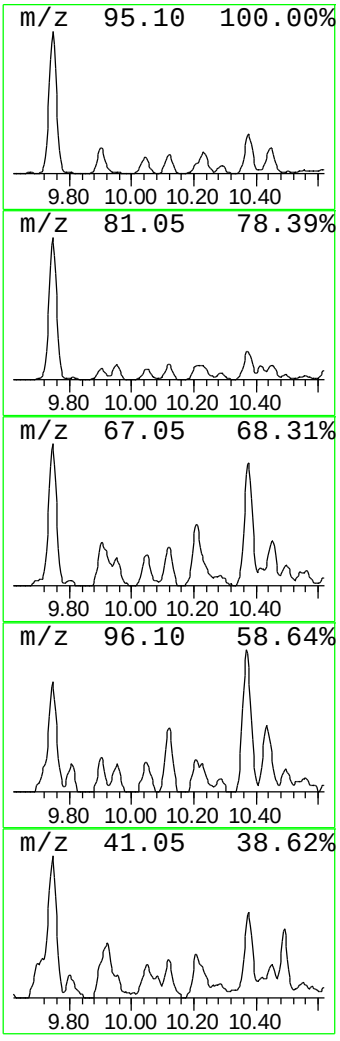
Peak Number 29 4-Nonyne Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.12	1.17 ug/L	28939	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Nonyne	124	C9H16	020184-91-2	74
2	1-Methylcyclooctene	124	C9H16	000933-11-9	70
3	Ethylidenecycloheptane	124	C9H16	010494-87-8	64
4	2-Decyne	138	C10H18	002384-70-5	47
5	4-Nonyne	124	C9H16	020184-91-2	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

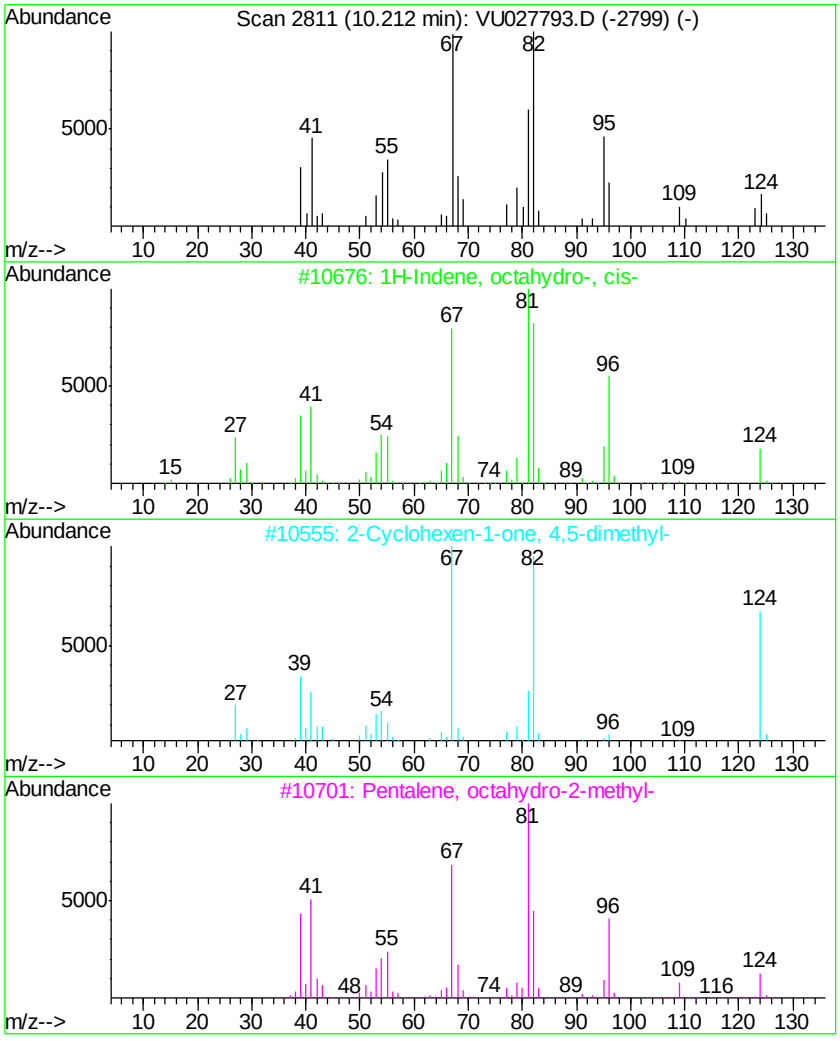
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

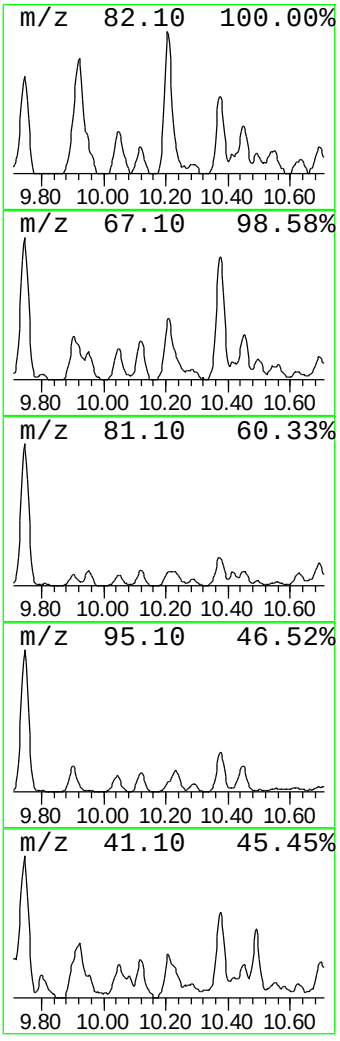
****

Peak Number 30 1H-Indene, octahydro-, cis- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	2.40 ug/L	59354	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, cis-	124	C9H16	004551-51-3	64
2	2-Cyclohexen-1-one, 4,5-dimethyl-	124	C8H12O	005715-25-3	52
3	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	52
4	3-Hexyne	82	C6H10	000928-49-4	47
5	4-Nonyne	124	C9H16	020184-91-2	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

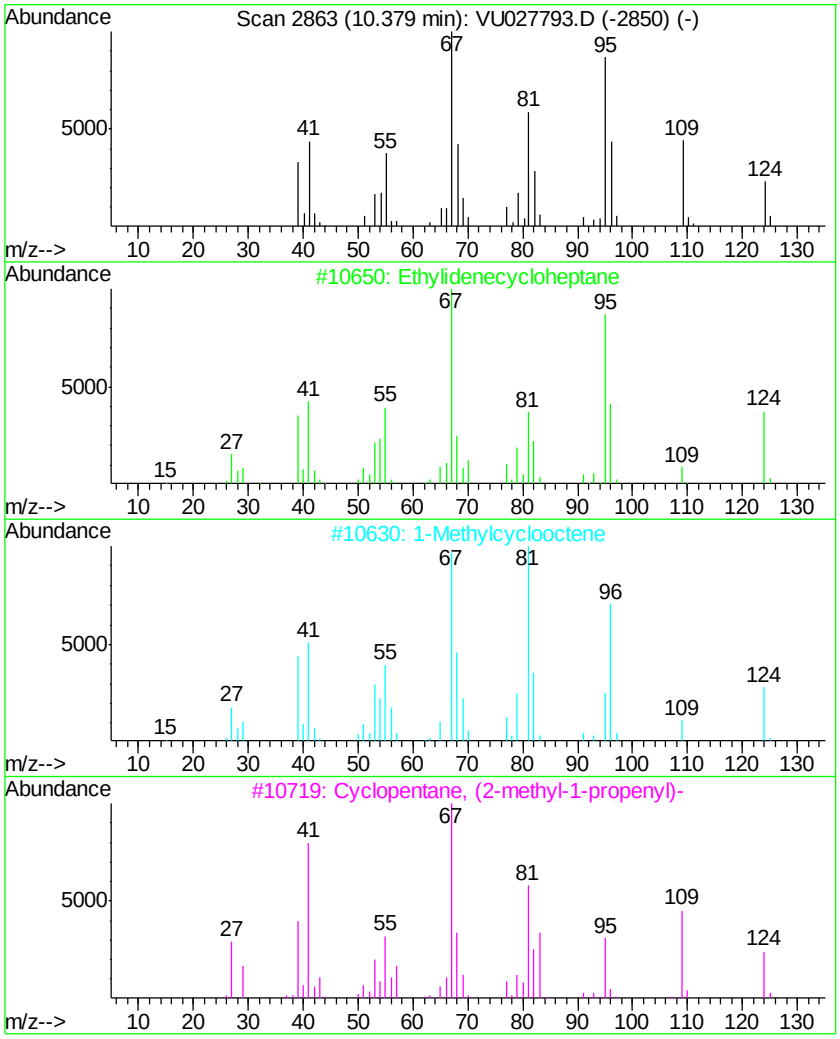
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

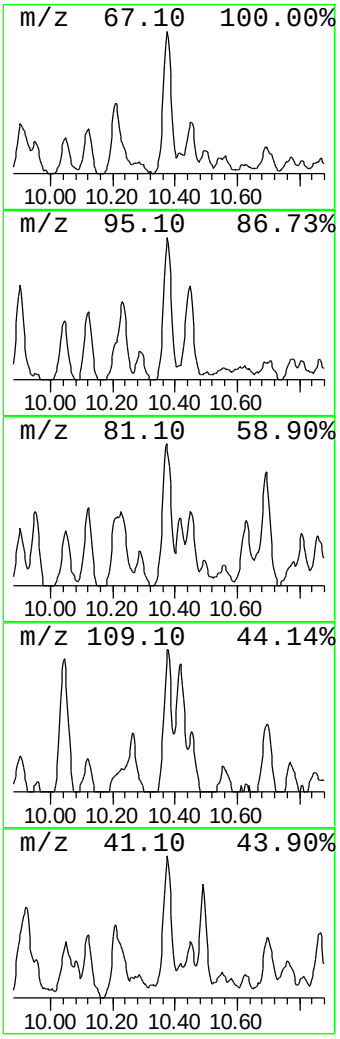
****

Peak Number 31 Ethylidenecycloheptane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	2.92 ug/L	75228	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylidenecycloheptane	124	C9H16	010494-87-8	90
2	1-Methylcyclooctene	124	C9H16	000933-11-9	89
3	Cyclopentane, (2-methyl-1-propen...	124	C9H16	053366-57-7	86
4	2-Methylbicyclo[3.2.1]octane	124	C9H16	1000215-28-0	80
5	cis-1,4-Dimethyl-2-methylenecycl...	124	C9H16	019781-46-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

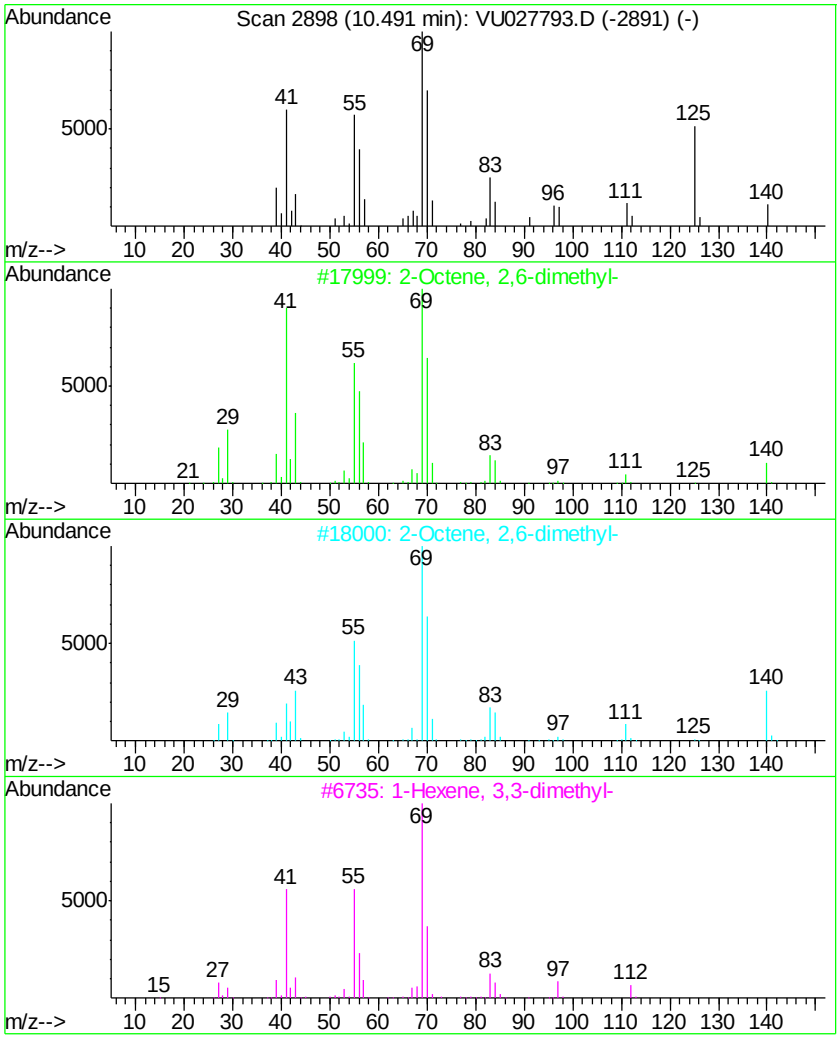
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

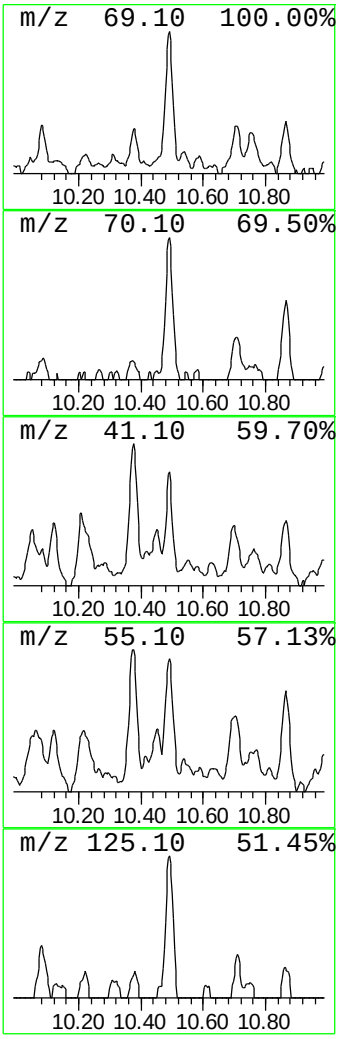
****

Peak Number 32 (DEL) Alkane: Cyclic10.49 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	1.33 ug/L	34403	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	62
2	2-Octene, 2,6-dimethyl-	140	C10H20	004057-42-5	62
3	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	50
4	2-Octene, 2,7-dimethyl-	140	C10H20	002050-81-9	49
5	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

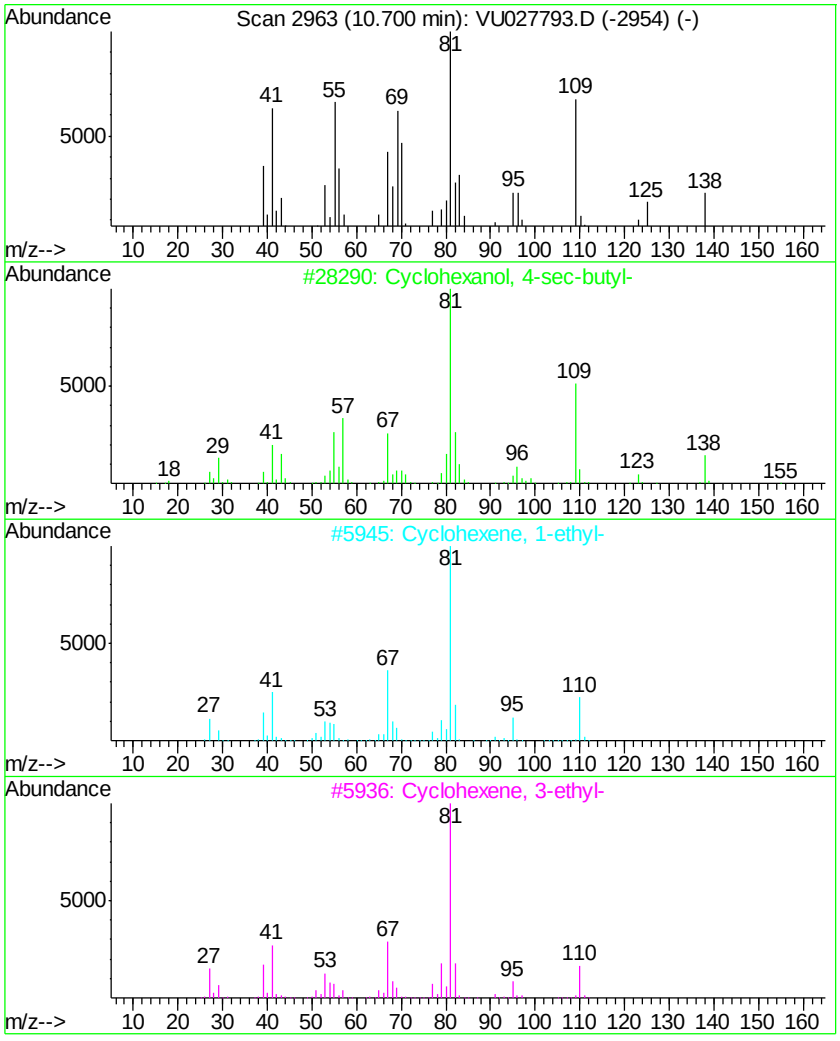
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

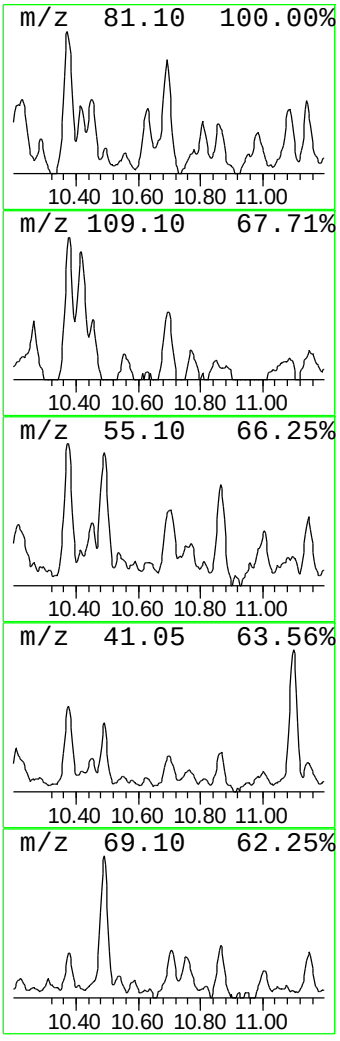
****

Peak Number 34 Cyclohexanol, 4-sec-butyl- Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	1.12 ug/L	28942	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 4-sec-butyl-	156	C10H20O	006292-20-2	59
2	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	47
3	Cyclohexene, 3-ethyl-	110	C8H14	002808-71-1	43
4	2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	38
5	Cyclohexene, 1-butyl-	138	C10H18	003282-53-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

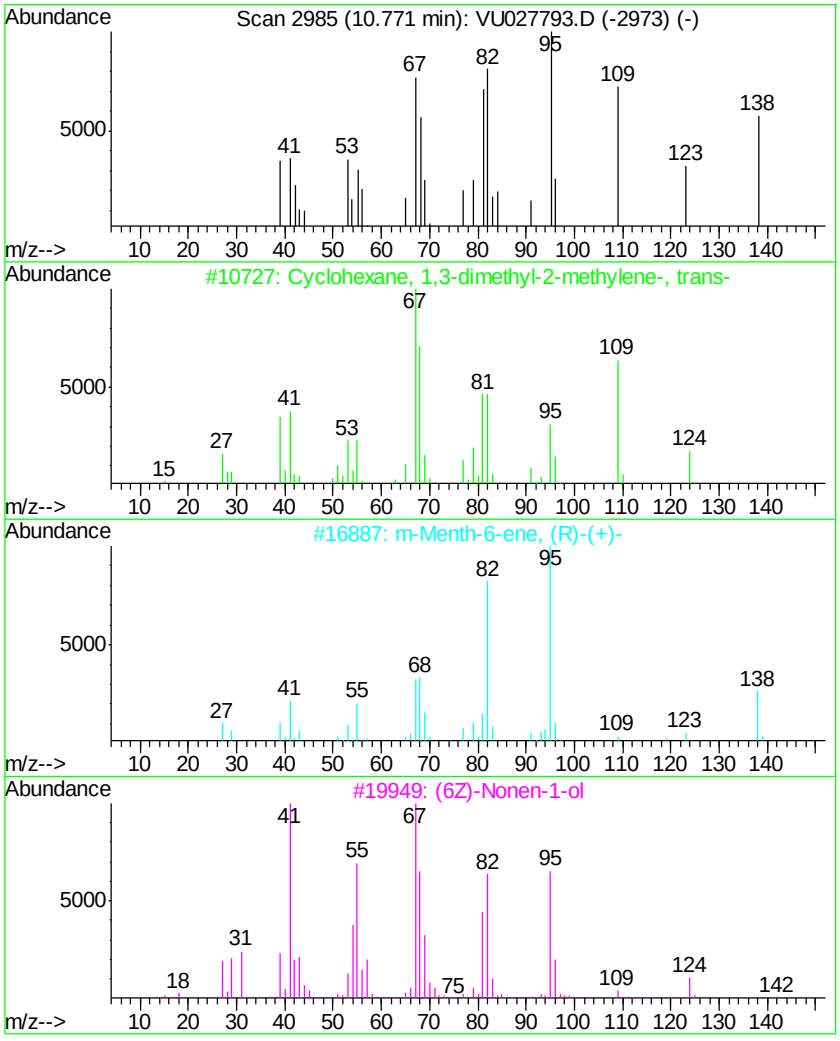
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

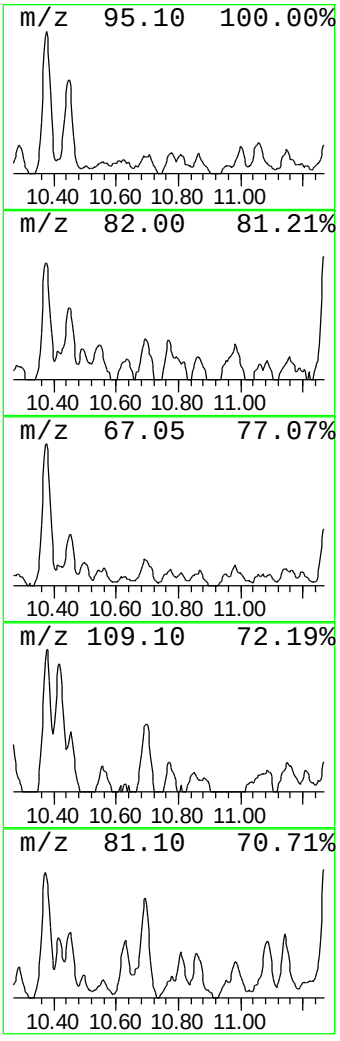
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Cyclohexane, 1,3-dimethyl-2... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	0.63 ug/L	16247	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	020348-74-7	58
2	m-Menth-6-ene, (R)-(+)-	138	C10H18	013837-70-2	53
3	(6Z)-Nonen-1-ol	142	C9H18O	035854-86-5	53
4	3,5-Octadiene, 2,7-dimethyl-, (E...	138	C10H18	055682-64-9	49
5	Cyclohexene,1-(2-methylpropyl)-	138	C10H18	003983-03-7	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

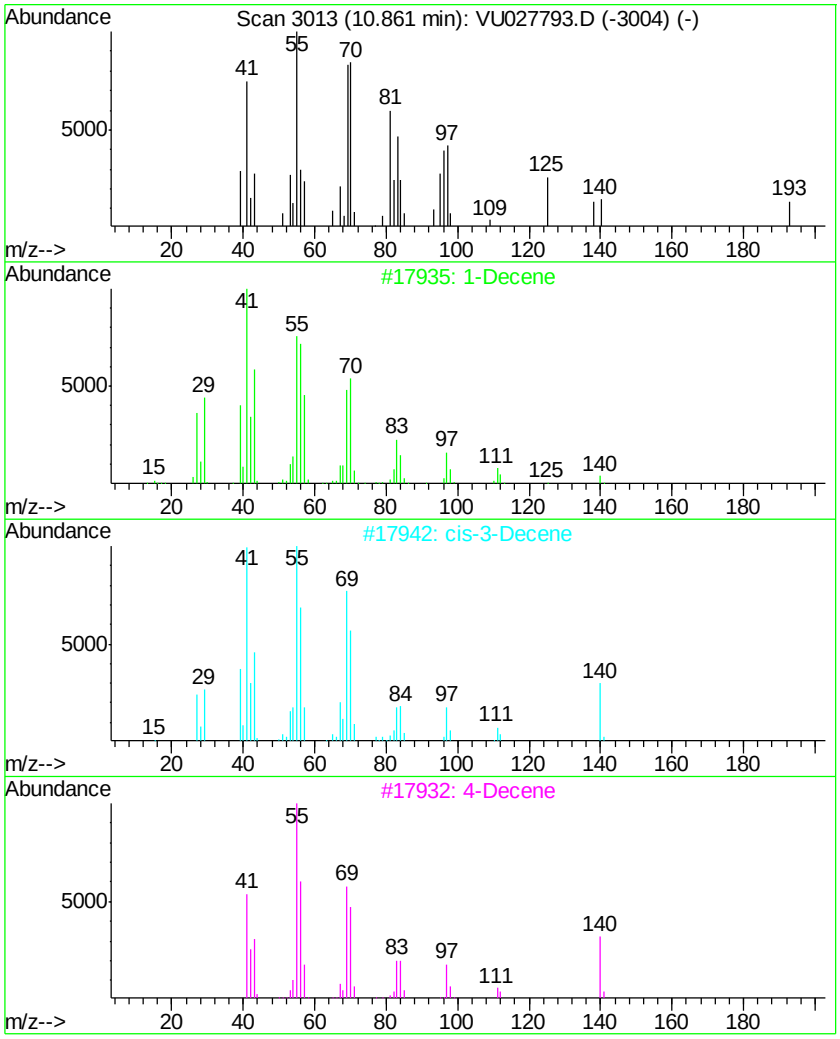
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

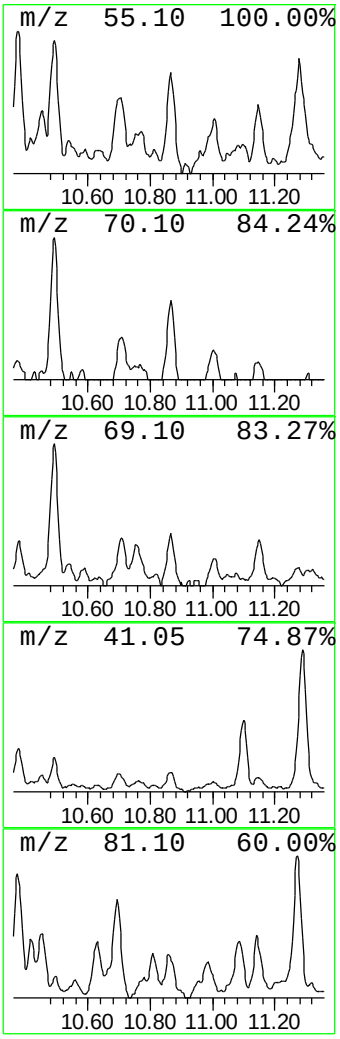
****

Peak Number 36 (DEL) Alkane: Cyclic10.86 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	1.15 ug/L	29601	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Decene	140	C10H20	000872-05-9	68
2	cis-3-Decene	140	C10H20	019398-86-8	53
3	4-Decene	140	C10H20	019689-18-0	53
4	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	38
5	Cyclopentadecanone, 2-hydroxy-	240	C15H28O2	004727-18-8	35





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

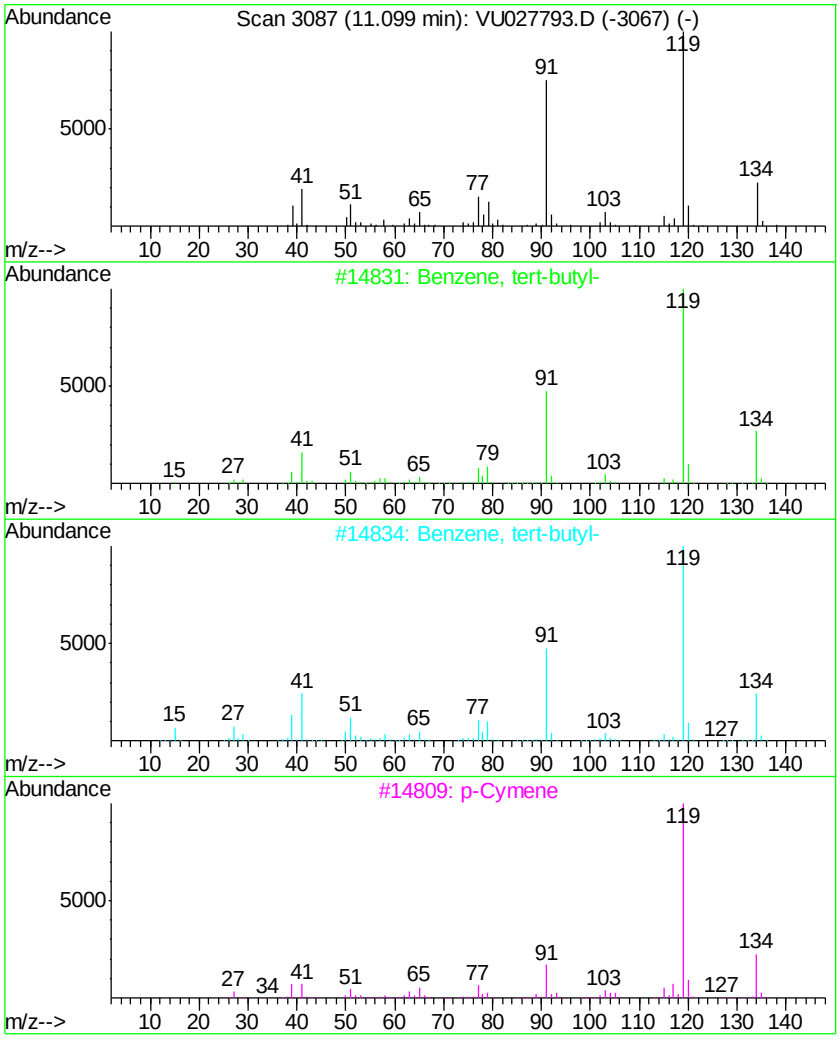
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

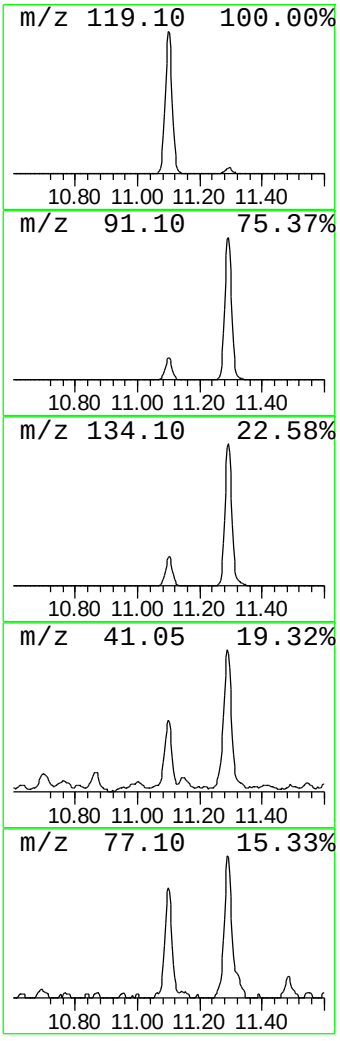
****

Peak Number 37 Benzene, tert-butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	5.38 ug/L	138767	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, tert-butyl-	134	C10H14	000098-06-6	94
2	Benzene, tert-butyl-	134	C10H14	000098-06-6	91
3	p-Cymene	134	C10H14	000099-87-6	72
4	o-Cymene	134	C10H14	000527-84-4	72
5	Ethanone, 1-(3-methylphenyl)-	134	C9H10O	000585-74-0	68





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

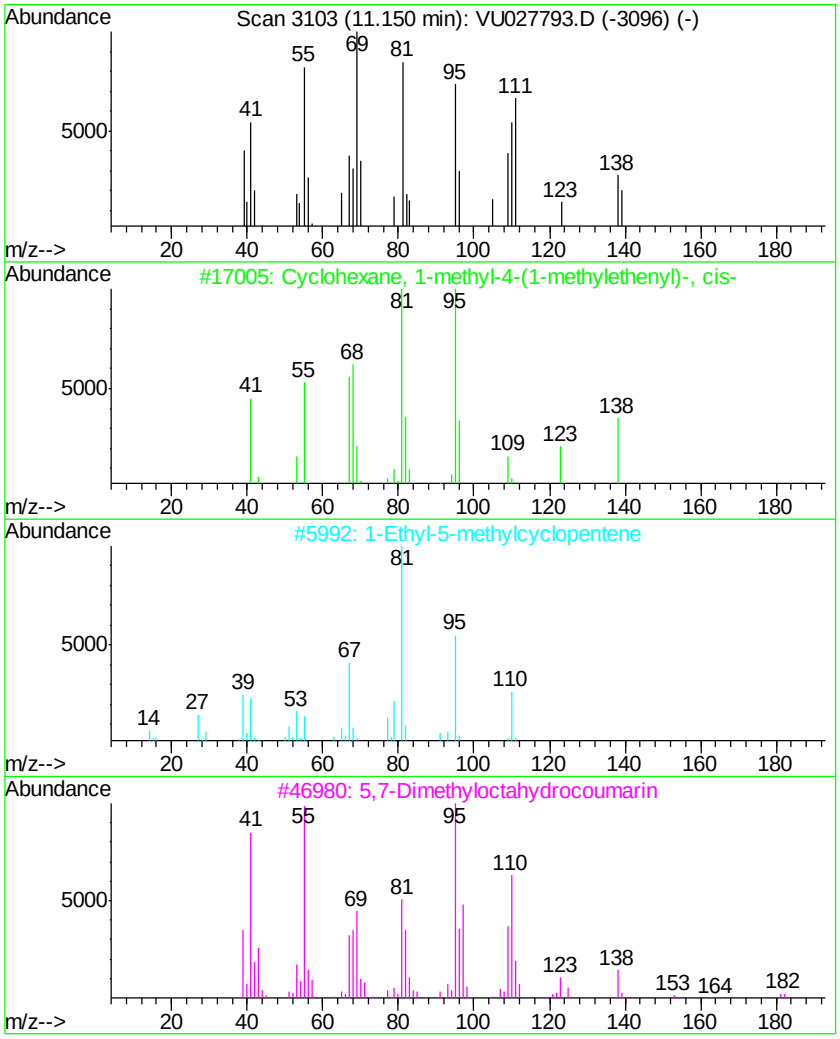
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

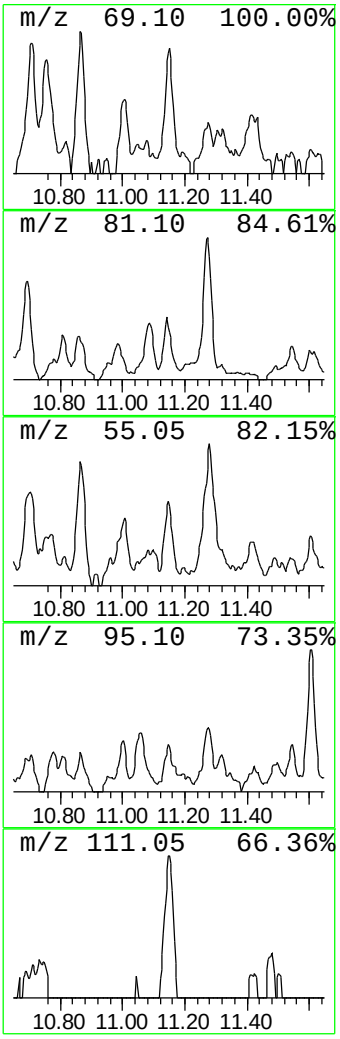
****

Peak Number 38 unknown-03 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	0.70 ug/L	17977	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001879-07-8	43
2	1-Ethyl-5-methylcyclopentene	110	C8H14	097797-57-4	43
3	5,7-Dimethyloctahydrocoumarin	182	C11H18O2	1000109-81-5	35
4	2,4-Hexadiene, 2,5-dimethyl-	110	C8H14	000764-13-6	30
5	Cyclohexane, ethylidene-	110	C8H14	001003-64-1	27





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

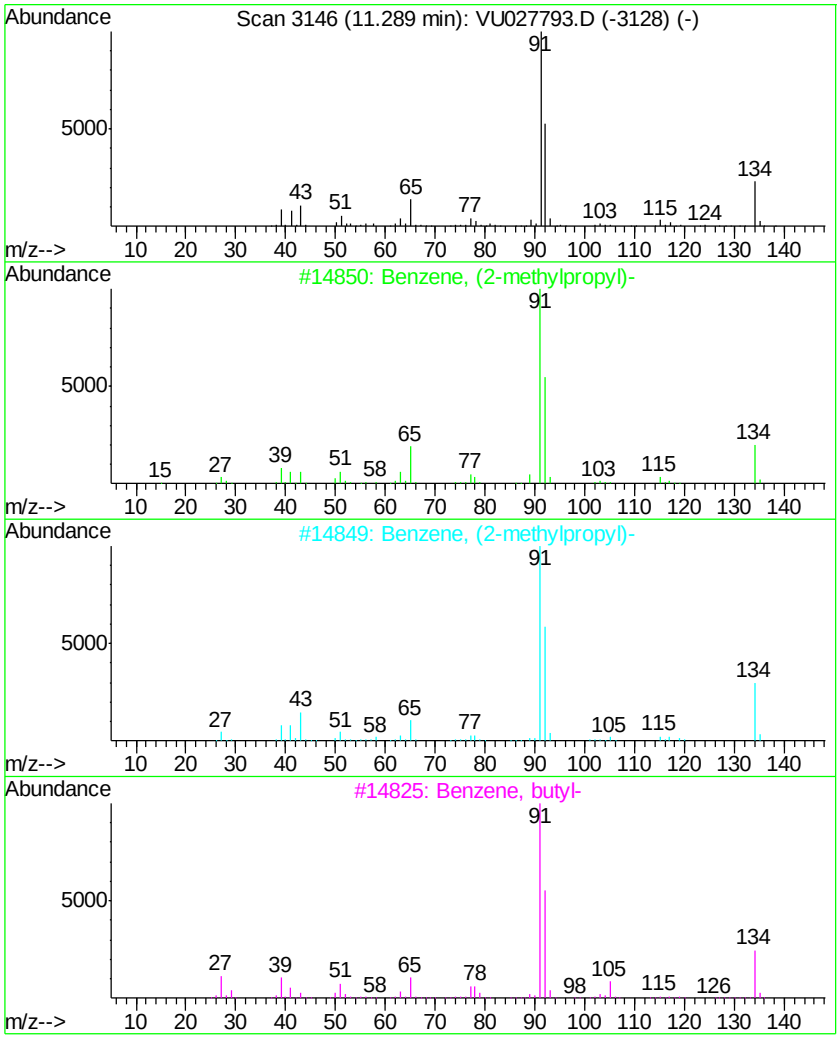
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

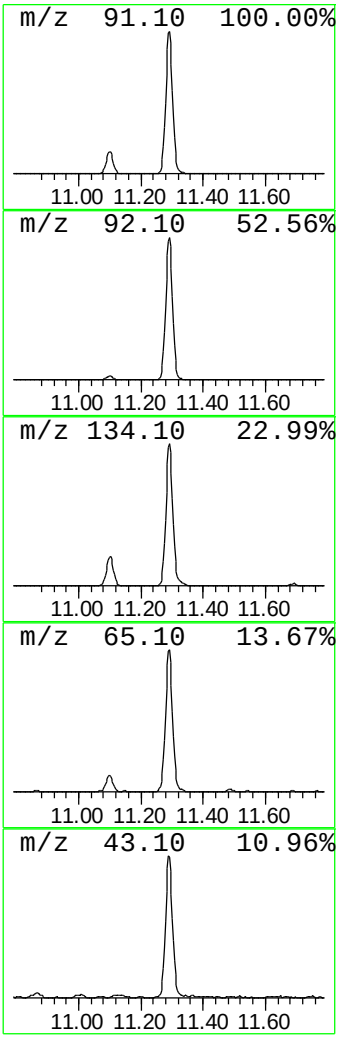
****

Peak Number 39 Benzene, (2-methylpropyl)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	20.54 ug/L	529433	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	94
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	90
3	Benzene, butyl-	134	C10H14	000104-51-8	87
4	Benzene, butyl-	134	C10H14	000104-51-8	86
5	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

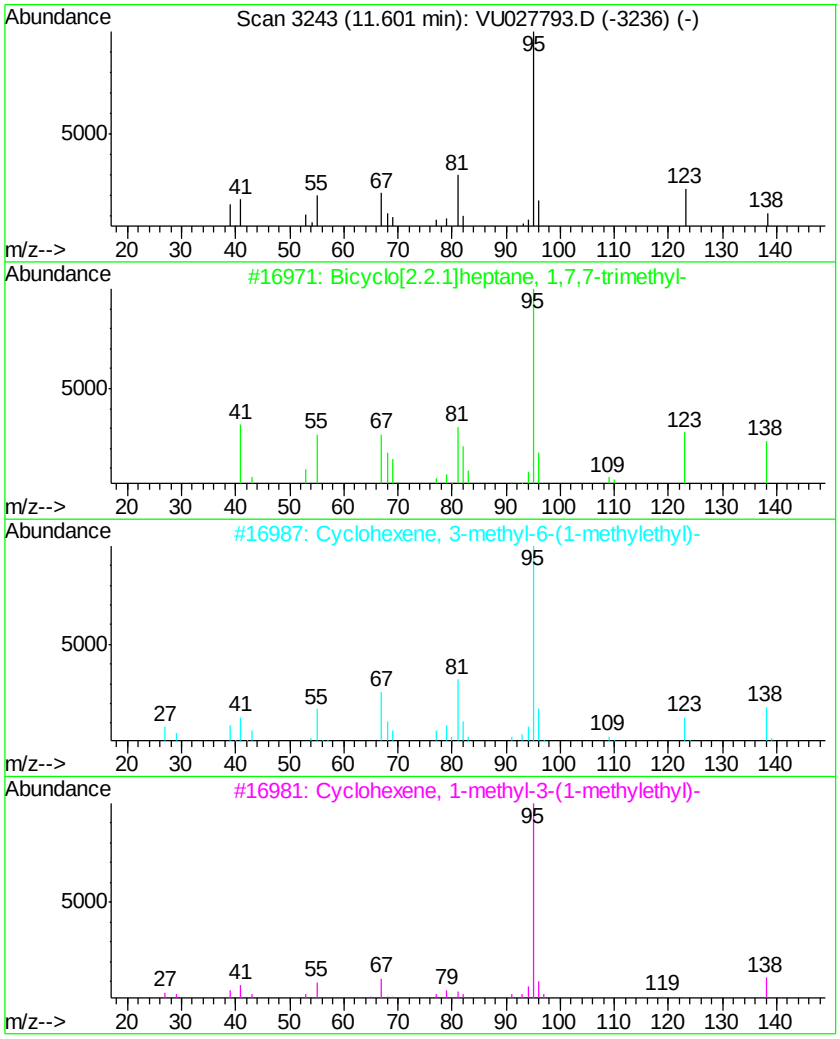
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

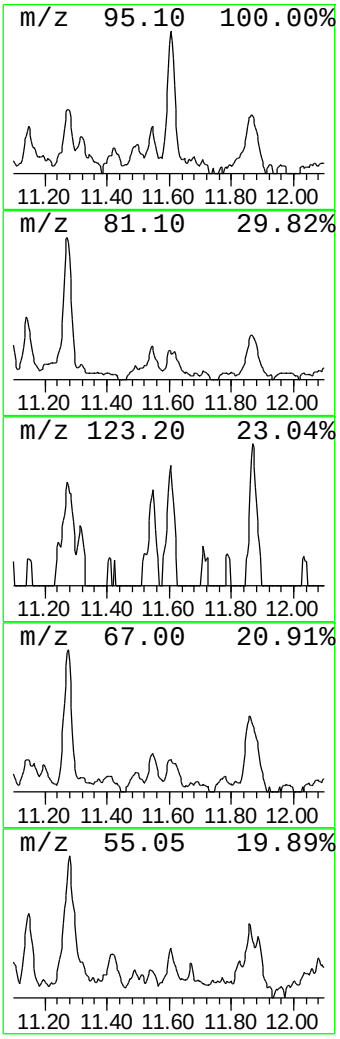
****

Peak Number 40 Bicyclo[2.2.1]heptane, 1,7,... Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	0.60 ug/L	15484	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 1,7,7-tri...	138	C10H18	000464-15-3	86
2	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	74
3	Cyclohexene, 1-methyl-3-(1-methy...	138	C10H18	013828-31-4	53
4	Norbornane, 2-isobutyl-	152	C11H20	018127-14-5	53
5	Cyclopentene, 1-isopropyl-2,3-di...	138	C10H18	007712-73-4	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

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

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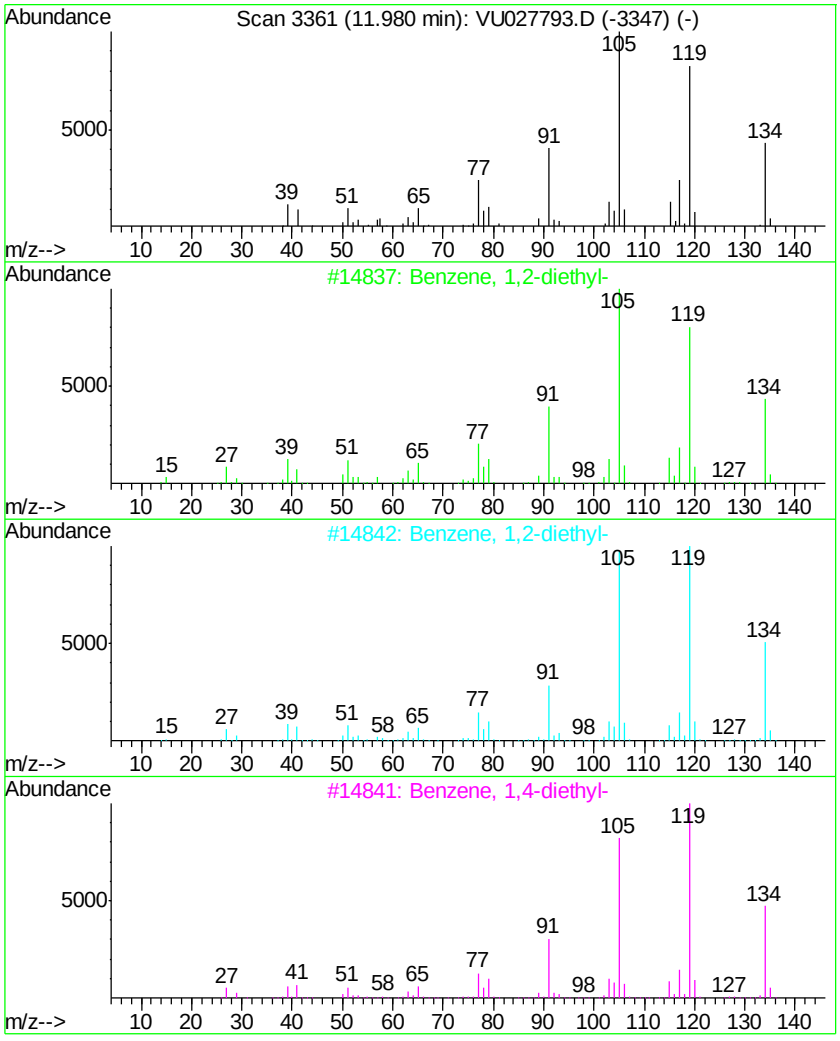
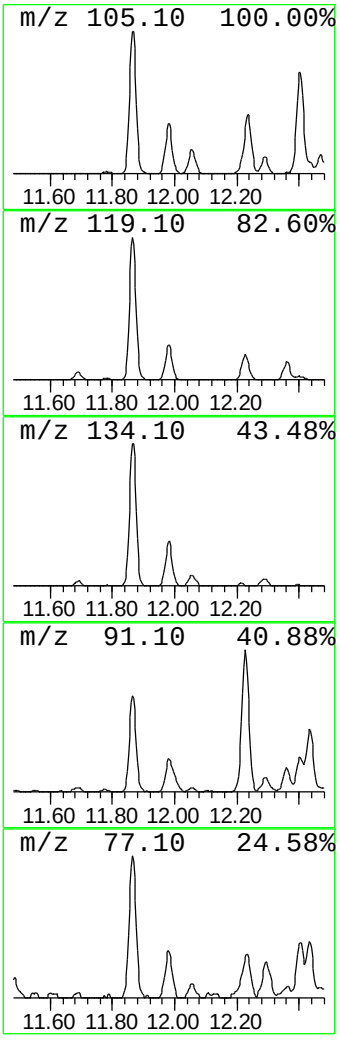
Peak Number 41 Benzene, 1,2-diethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	2.34 ug/L	60232	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	95
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

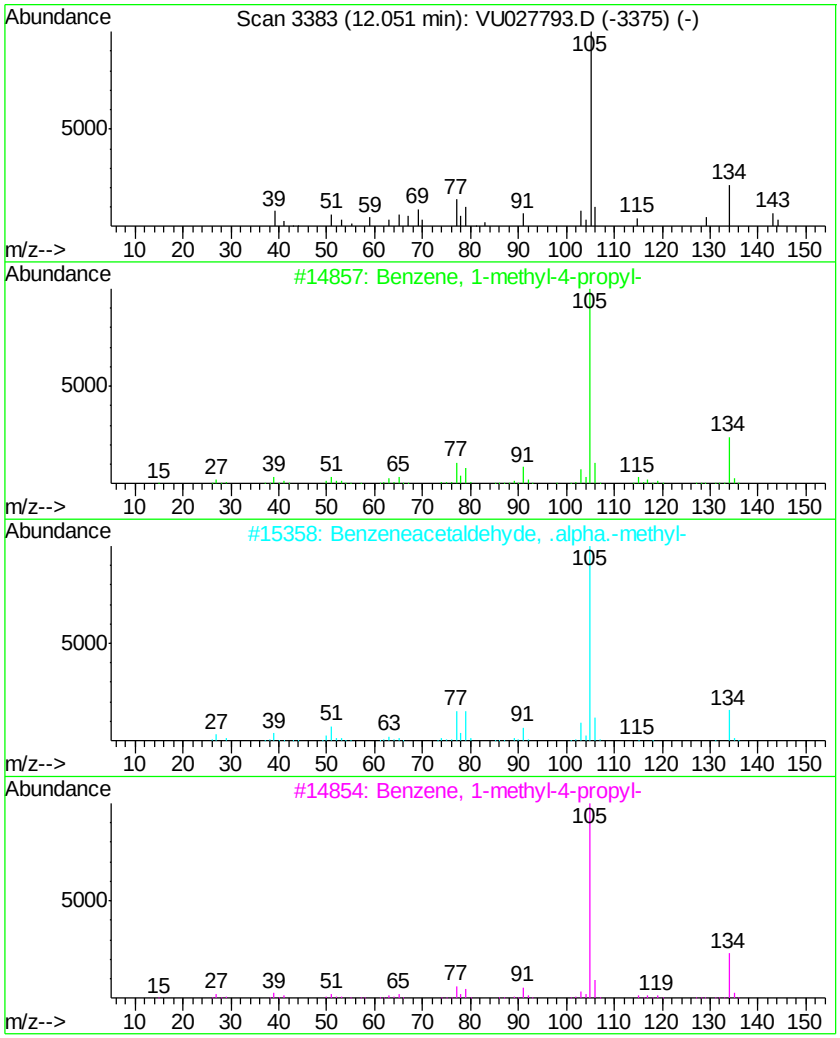
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

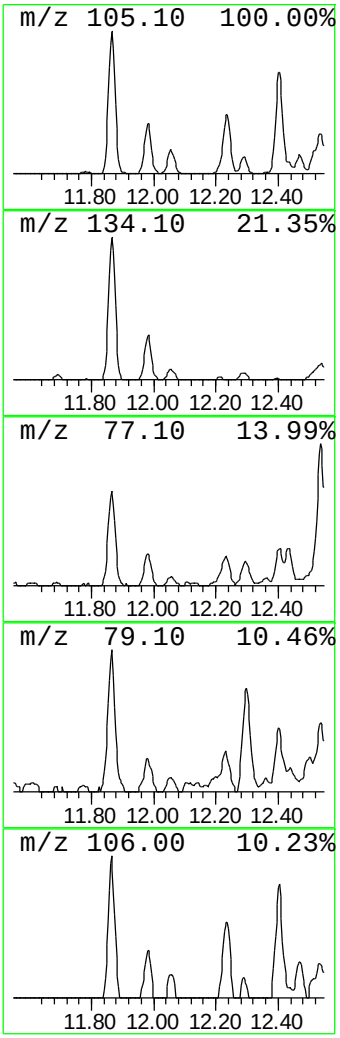
****

Peak Number 42 Benzene, 1-methyl-4-propyl- Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	0.59 ug/L	15232	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	72
2	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	68
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	64
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	64
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

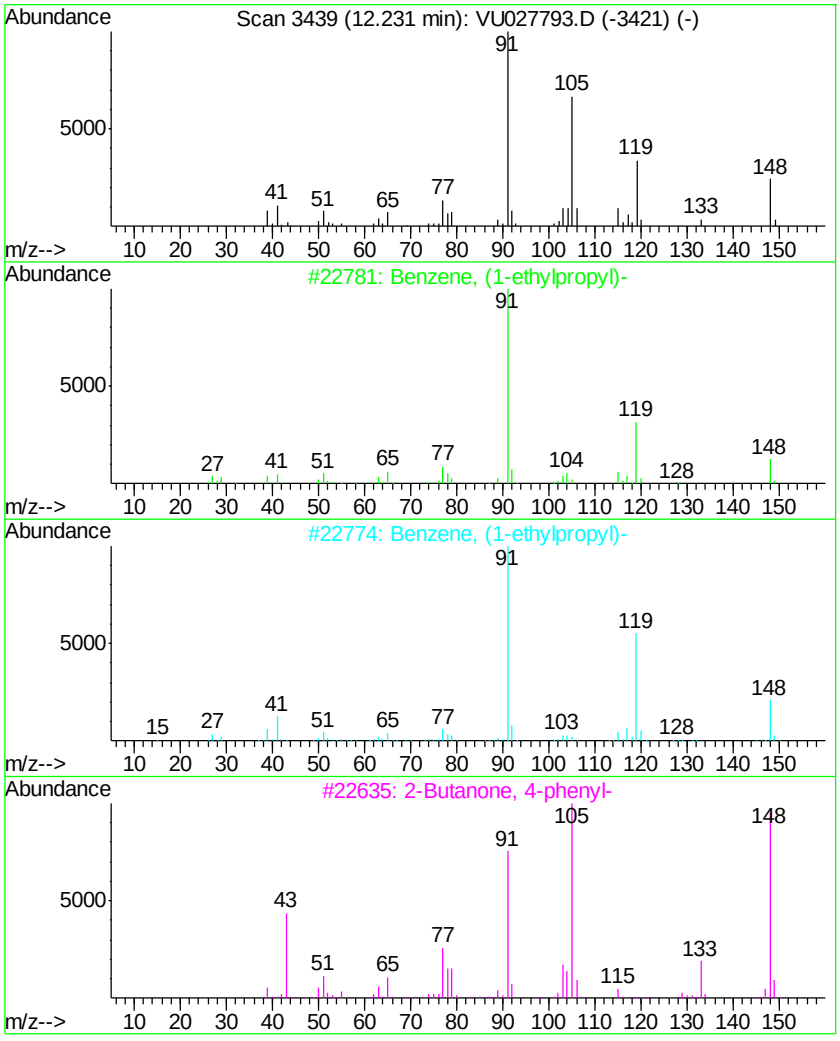
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

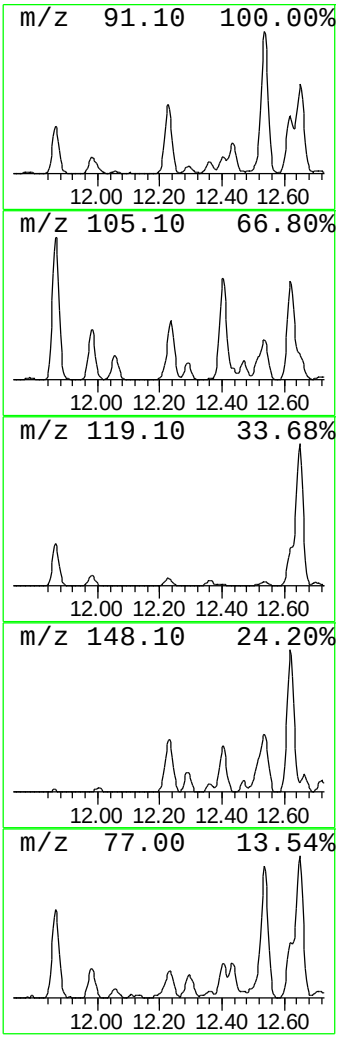
****

Peak Number 43 Benzene, (1-ethylpropyl)- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	3.12 ug/L	80410	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	90
2	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	64
3	2-Butanone, 4-phenyl-	148	C10H12O	002550-26-7	50
4	Benzene, (1-nitropropyl)-	165	C9H11NO2	005279-14-1	49
5	Benzene, pentyl-	148	C11H16	000538-68-1	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

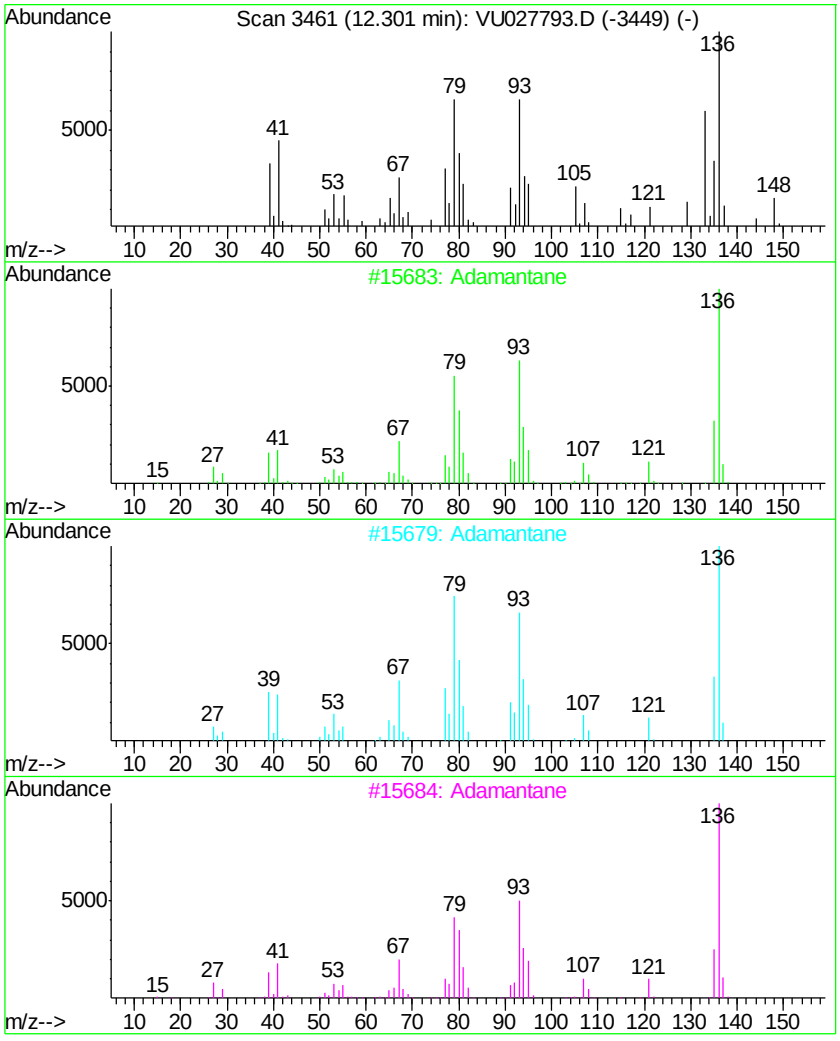
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

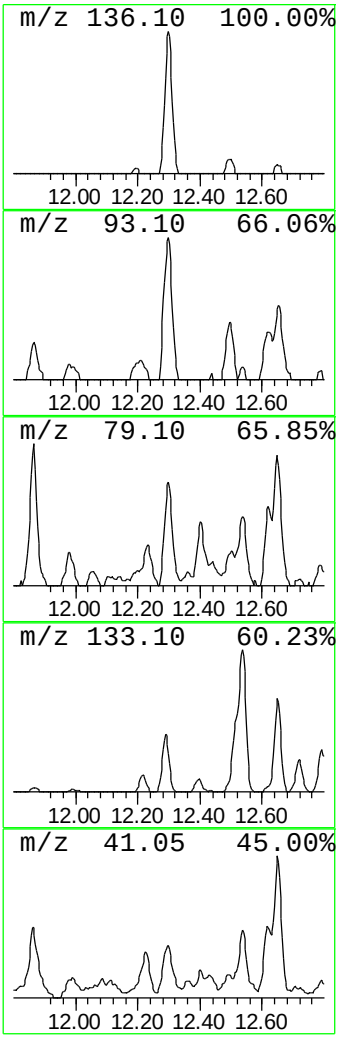
****

Peak Number 44 Adamantane Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.66 ug/L	68634	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Adamantane	136	C10H16	000281-23-2	98
2	Adamantane	136	C10H16	000281-23-2	95
3	Adamantane	136	C10H16	000281-23-2	92
4	Bicyclo[3.3.1]non-2-en-9-one	136	C9H12O	004844-11-5	46
5	Bicyclo[3.3.1]non-6-en-2-one	136	C9H12O	022482-58-2	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

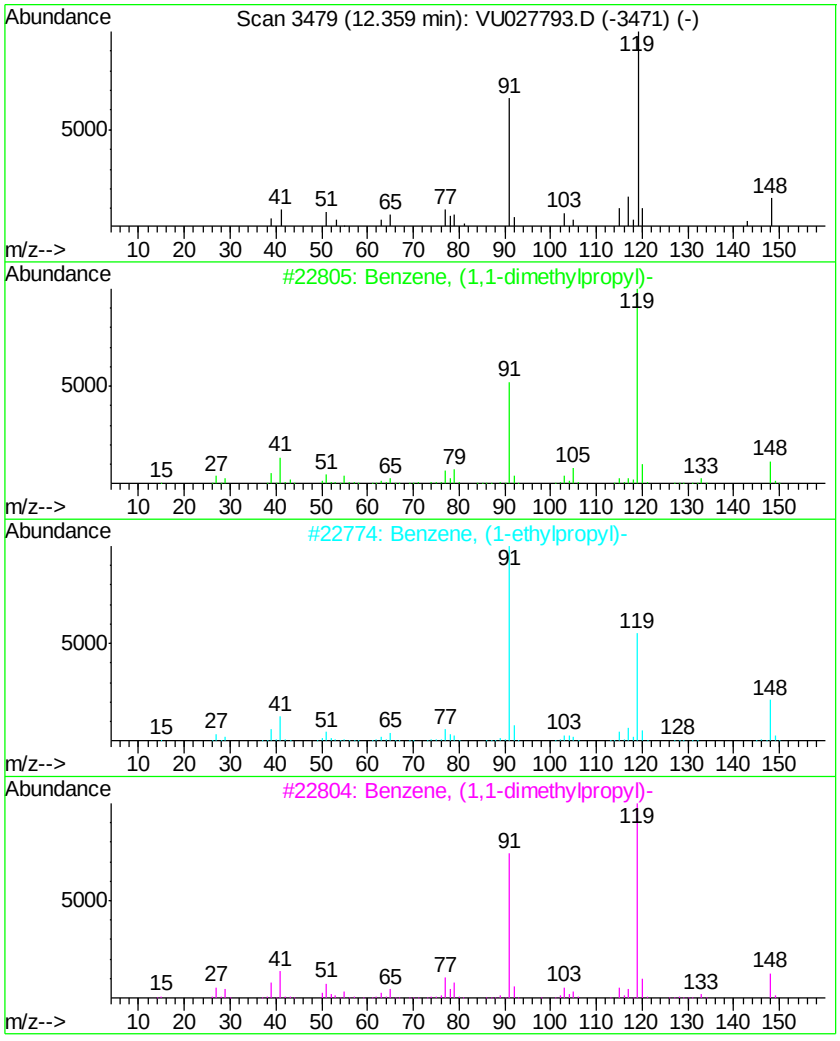
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

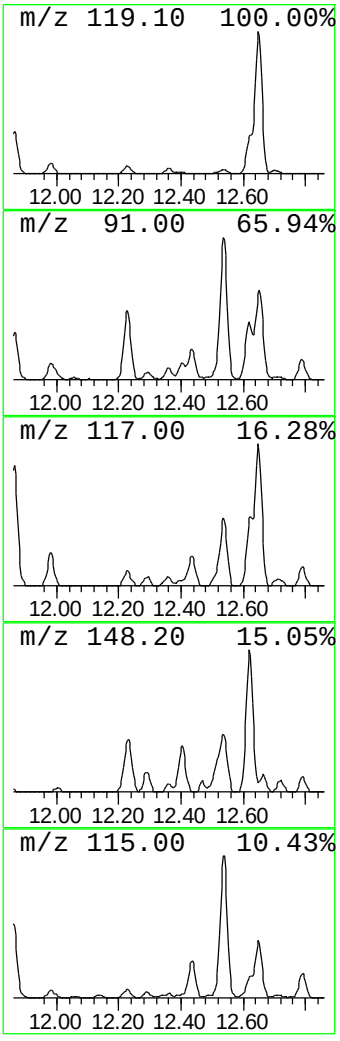
****

Peak Number 45 Benzene, (1,1-dimethylpropyl)- Concentration Rank 67

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	0.57 ug/L	14763	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	83
2	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	83
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	80
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	80
5	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

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

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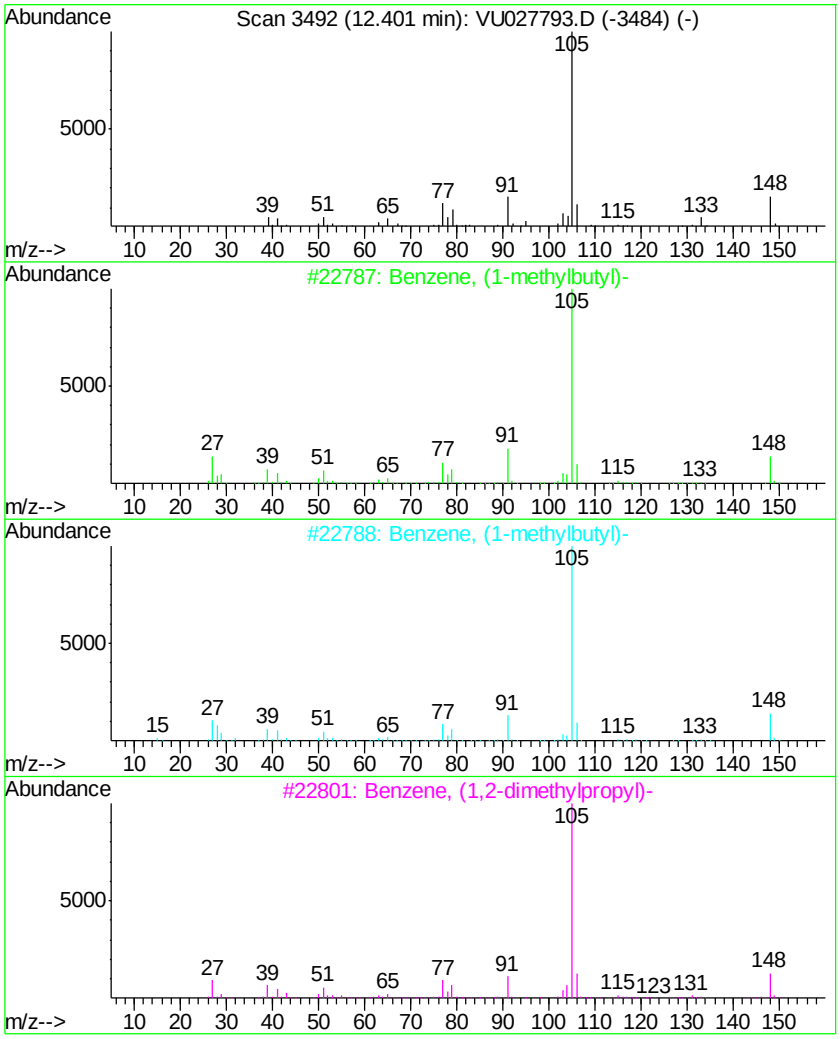
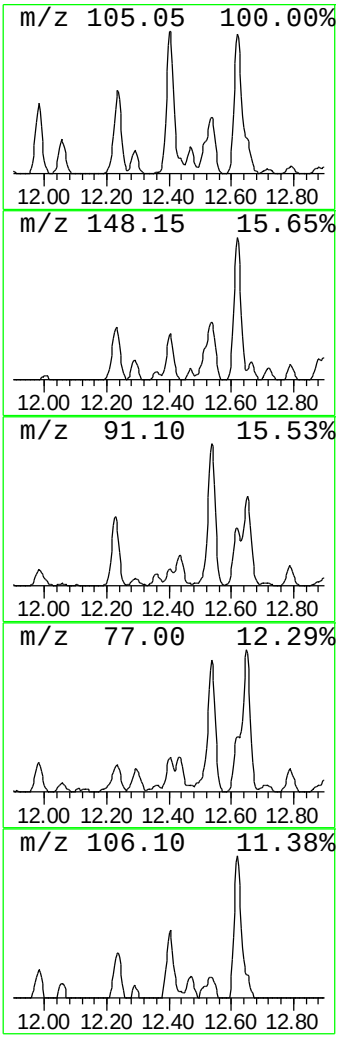
Peak Number 46 Benzene, (1-methylbutyl)- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	2.16 ug/L	55783	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	94
2	Benzene, (1-methylbutyl)-	148	C11H16	002719-52-0	91
3	Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	90
4	Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	83
5	Benzene, (1,2-dimethylpropyl)-	148	C11H16	004481-30-5	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

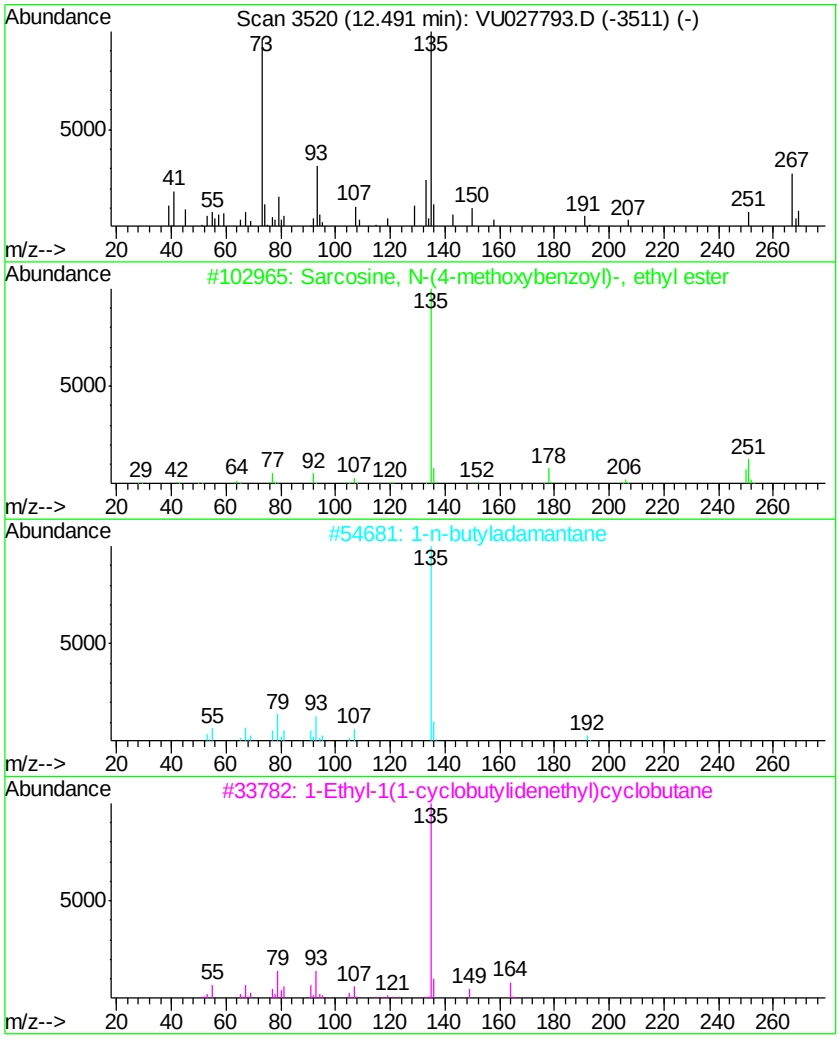
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

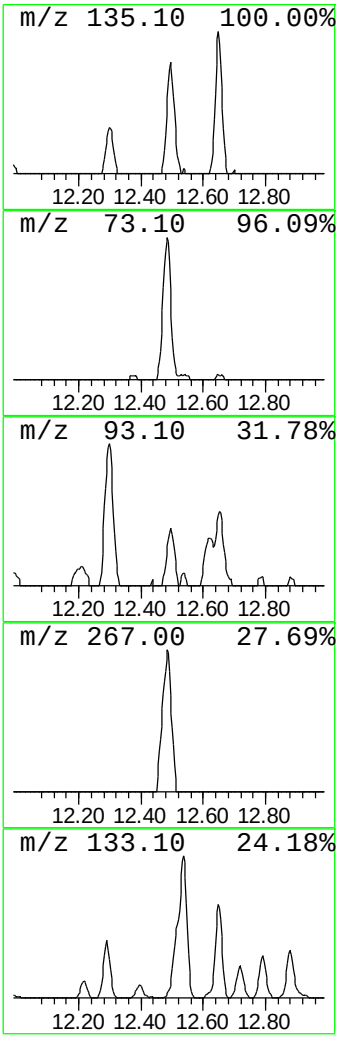
****

Peak Number 48 unknown-04 Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	1.34 ug/L	34505	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sarcosine, N-(4-methoxybenzoyl)-...	251	C13H17NO4	1000321-41-9	43
2	1-n-butyladamantane	192	C14H24	014449-41-3	38
3	1-Ethyl-1(1-cyclobutylidenethyl)...	164	C12H20	1000215-13-7	38
4	3-(1-Adamantyl)sydnone	220	C12H16N2O2	1000140-20-2	38
5	1-Adamantyl methyl ketone	178	C12H18O	001660-04-4	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

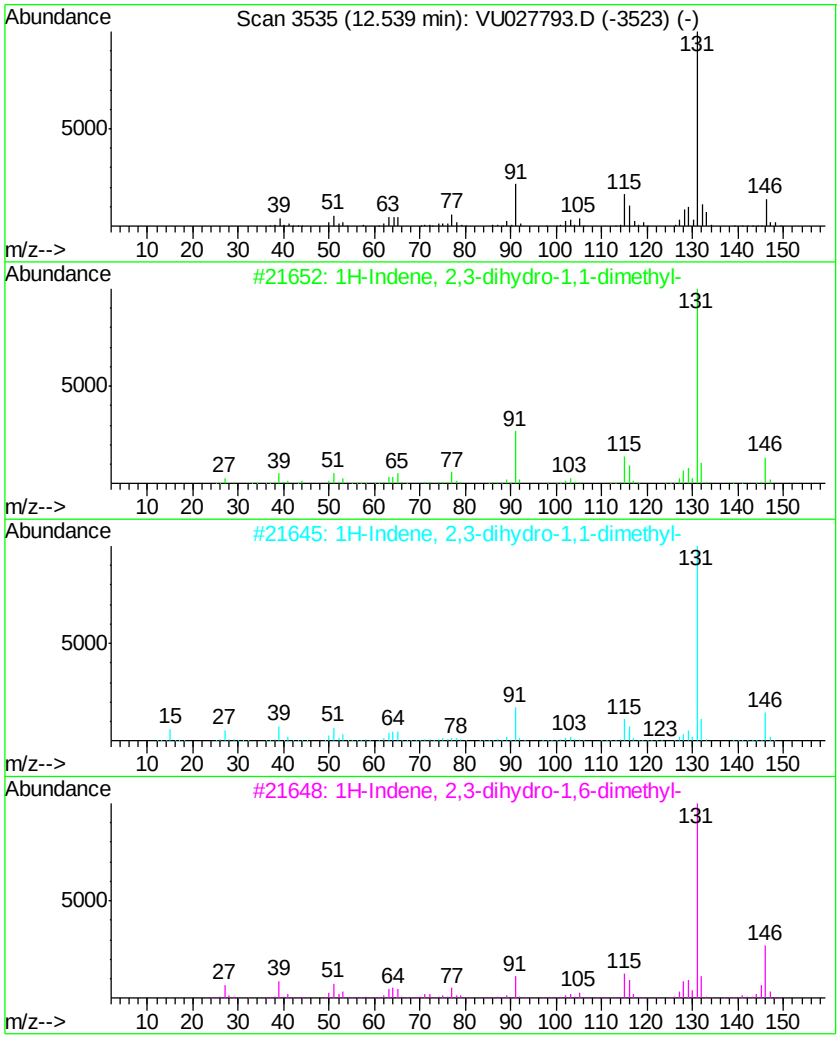
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

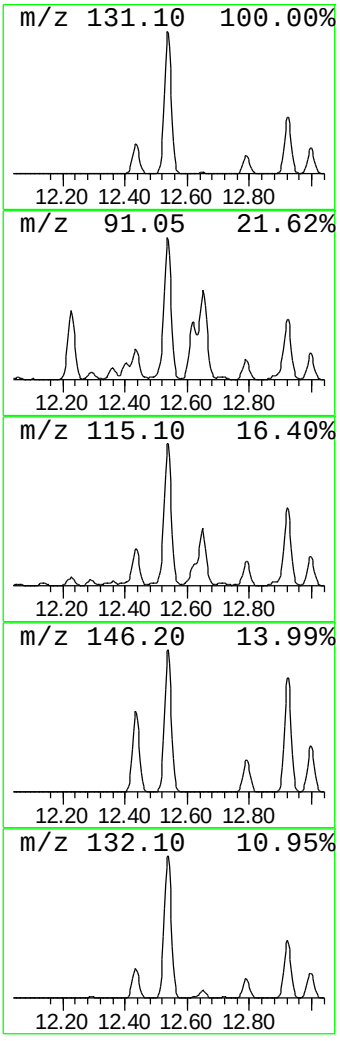
****

Peak Number 49 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	20.36 ug/L	524699	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	95
2	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	91
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

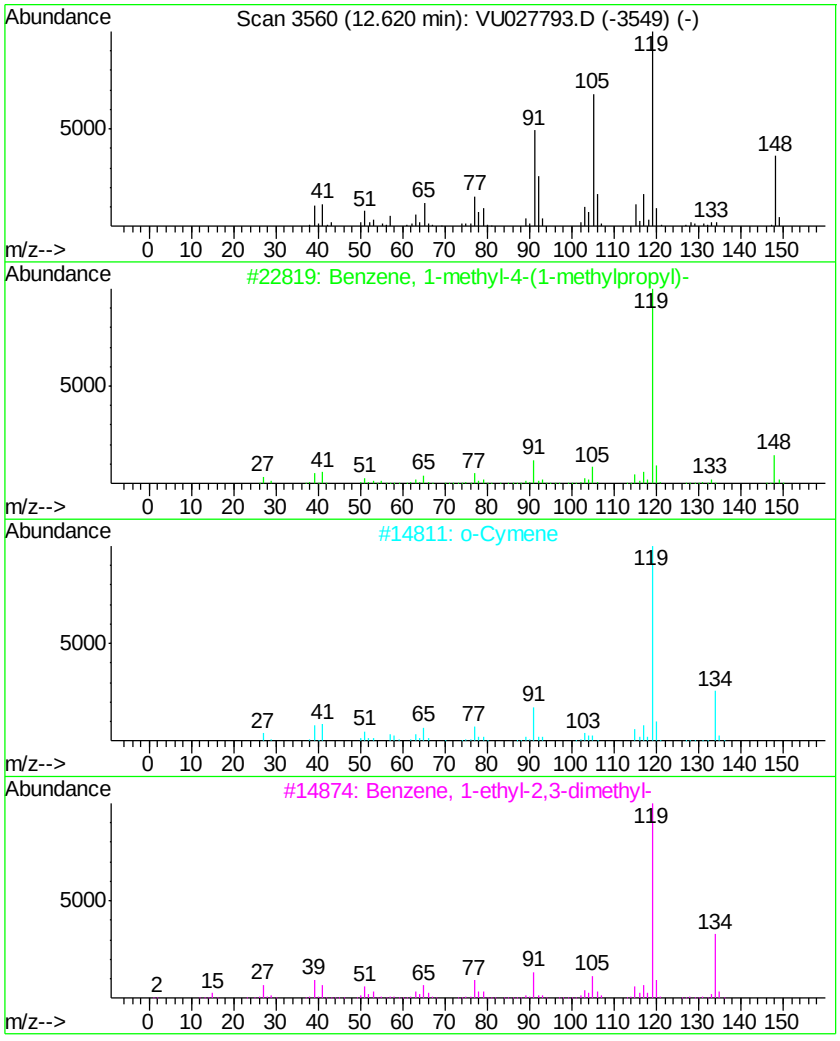
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

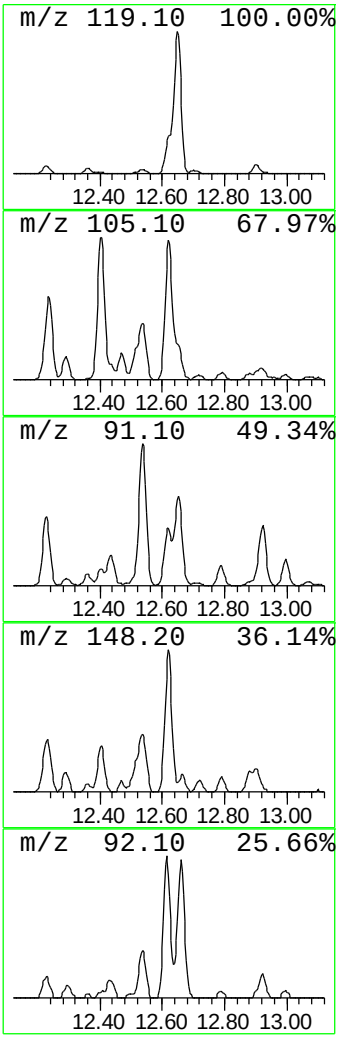
****

Peak Number 50 Benzene, 1-methyl-4-(1-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	5.53 ug/L	142574	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	81
2	o-Cymene	134	C10H14	000527-84-4	64
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	64
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	59
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

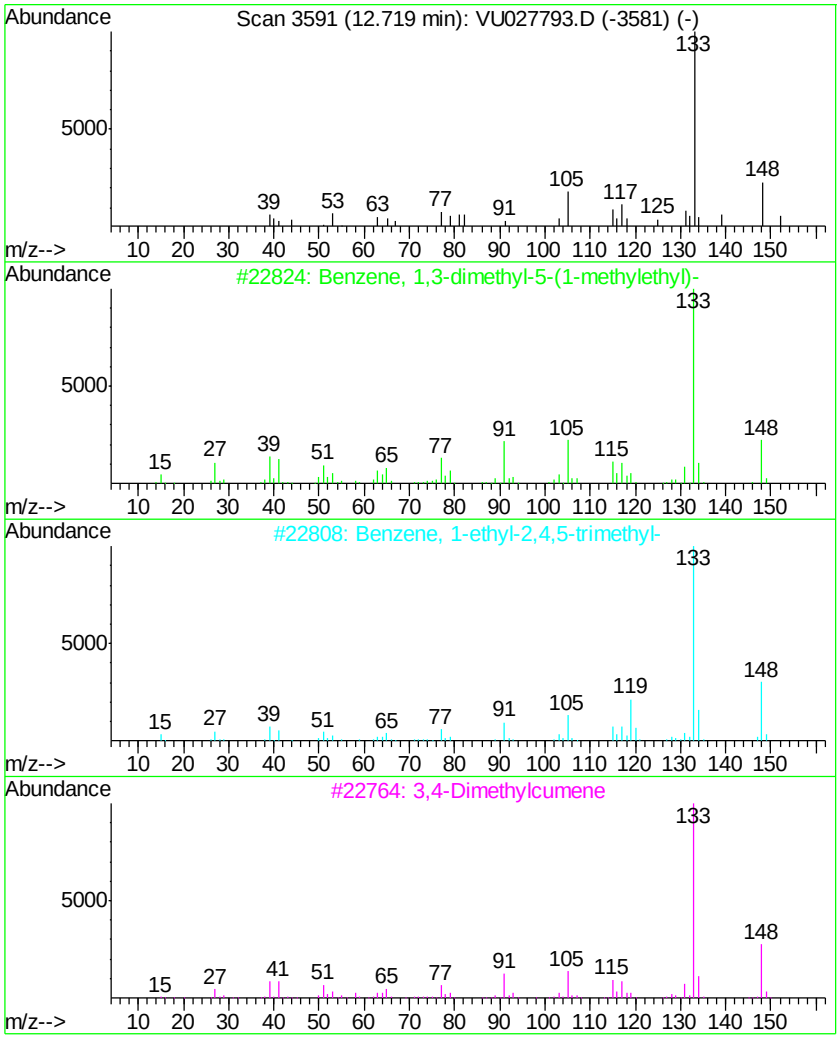
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

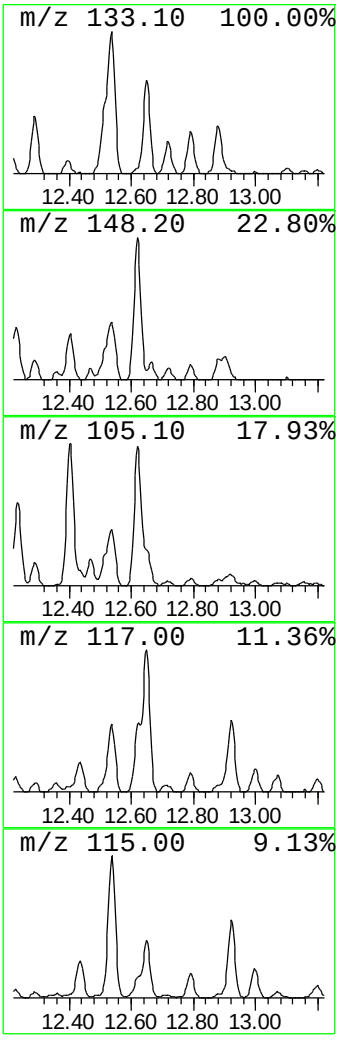
****

Peak Number 52 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.72	0.66 ug/L	17118	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	74
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	72
3	3,4-Dimethylcumene	148	C11H16	1000370-34-1	72
4	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	64
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

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

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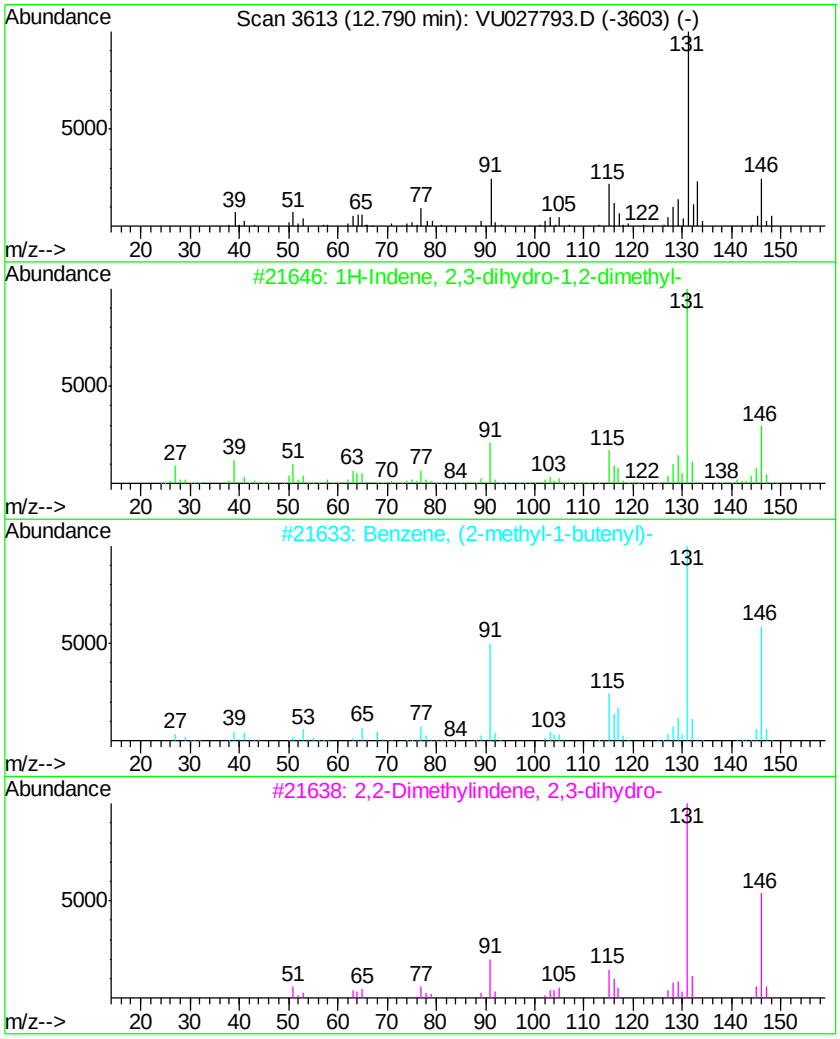
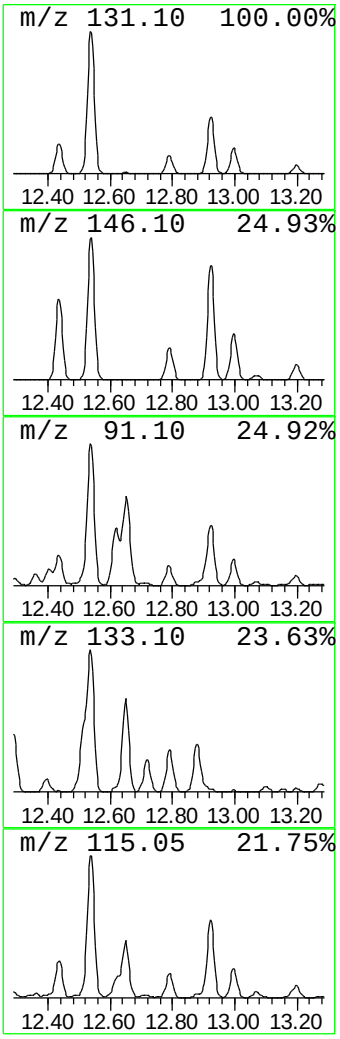
Peak Number 53 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.79	3.03 ug/L	78177	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
4	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	90
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

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

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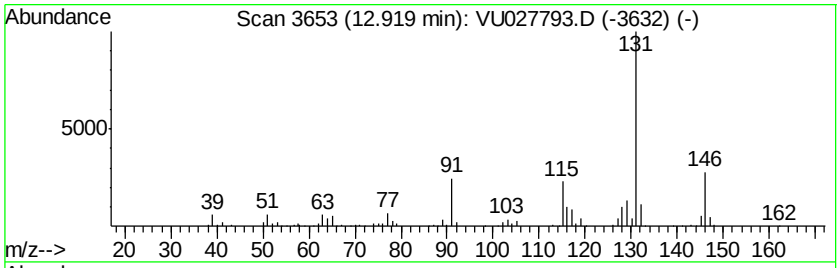
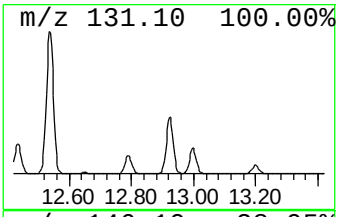
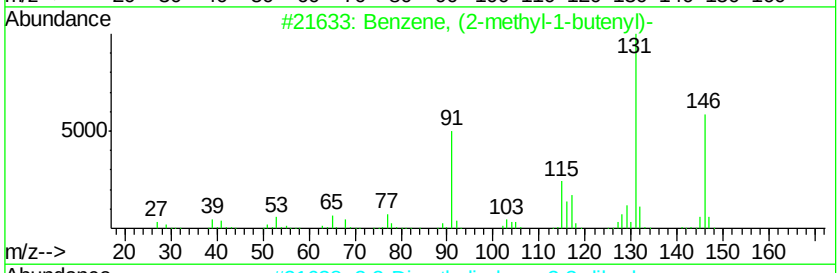
Peak Number 54 Benzene, (2-methyl-1-butenyl)- Concentration Rank 4

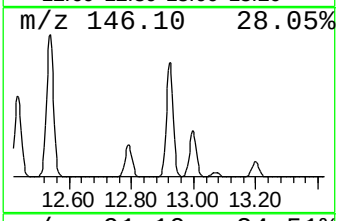
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	9.76 ug/L	251645	1,4-Dichlorobenzene-d4	11.48

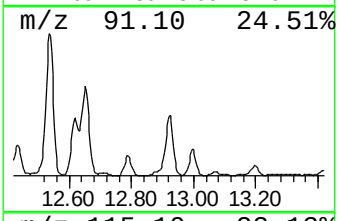
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	94
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	93
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90

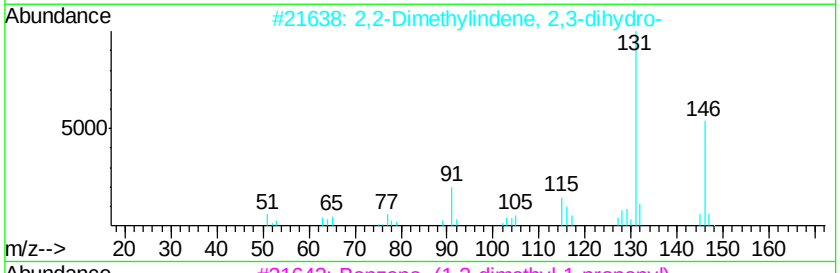


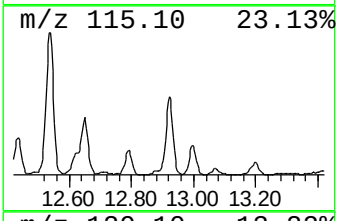


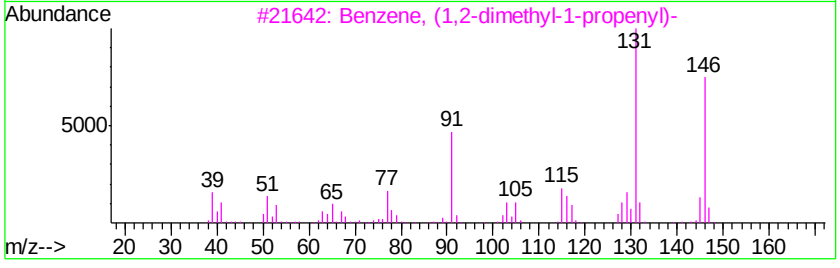


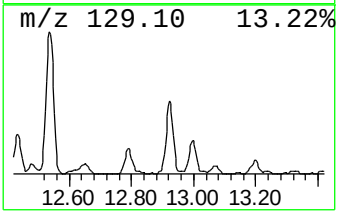












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

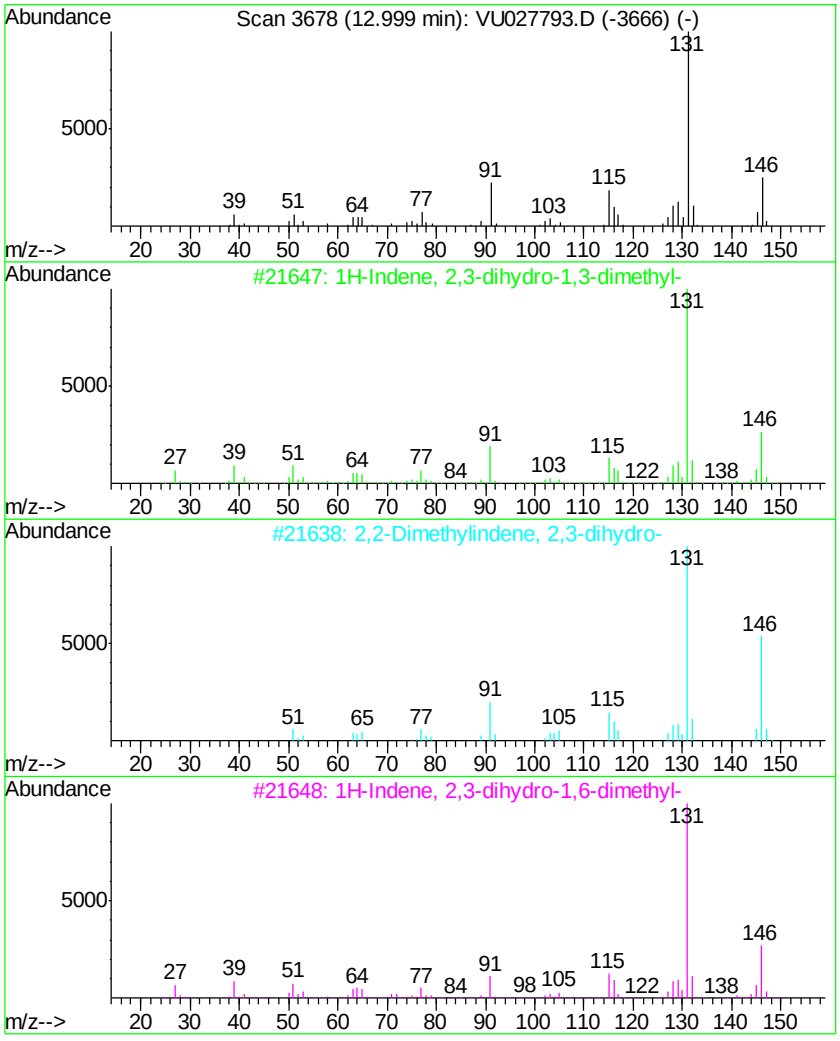
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

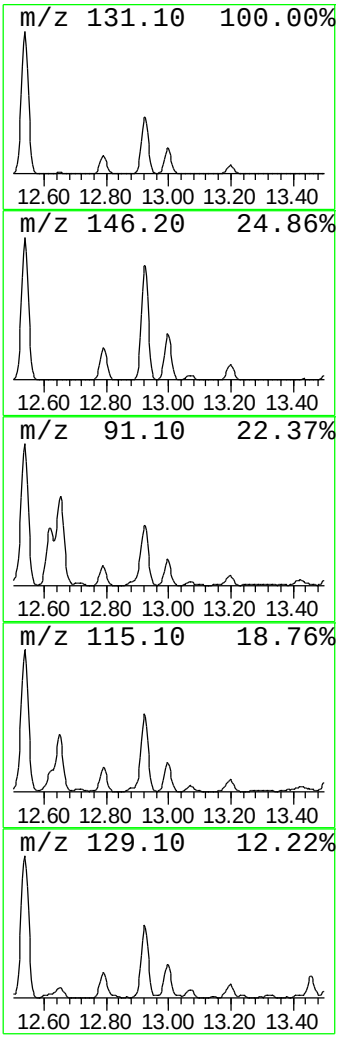
****

Peak Number 55 2,2-Dimethylindene, 2,3-dih... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	3.61 ug/L	93015	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	95
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	94
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU102418\
Data File : VU027793.D
Acq On : 24 Oct 2018 18:36
Operator : MD/SY
Sample : J5599-01
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H1A01

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR102418WMA.M
Quant Title : TRACE VOA SOM01.0

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.33	3.8	ug/L	72357	1	5.89	95064	5.0
(DEL) Alkane: Str...	2.71	3.1	ug/L	59190	1	5.89	95064	5.0
(DEL) Alkane: Str...	3.85	1.5	ug/L	28092	1	5.89	95064	5.0
(DEL) Alkane: Str...	3.99	3.8	ug/L	72695	1	5.89	95064	5.0
(DEL) Alkane: Str...	4.73	3.4	ug/L	64508	1	5.89	95064	5.0
(DEL) Alkane: Str...	5.08	8.3	ug/L	158236	1	5.89	95064	5.0
(DEL) Alkane: Str...	5.49	1.0	ug/L	19185	1	5.89	95064	5.0
(DEL) Alkane: Cyc...	6.39	1.8	ug/L	34334	1	5.89	95064	5.0
(DEL) Alkane: Str...	6.53	0.5	ug/L	9564	1	5.89	95064	5.0
(DEL) Alkane: Cyc...	6.74	3.1	ug/L	58800	1	5.89	95064	5.0
(DEL) Alkane: Str...	7.05	0.8	ug/L	15263	1	5.89	95064	5.0
(DEL) Alkane: Cyc...	7.43	0.7	ug/L	13086	1	5.89	95064	5.0
Cycloheptane, bromo-	7.71	1.0	ug/L	24570	2	9.09	123681	5.0
(DEL) Alkane: Cyc...	7.92	2.5	ug/L	61332	2	9.09	123681	5.0
(DEL) Alkane: Cyc...	8.11	0.5	ug/L	13268	2	9.09	123681	5.0
(DEL) Alkane: Cyc...	8.49	0.7	ug/L	16664	2	9.09	123681	5.0
(DEL) Alkane: Cyc...	8.65	2.3	ug/L	55898	2	9.09	123681	5.0
(DEL) Alkane: Cyc...	8.85	1.1	ug/L	28028	2	9.09	123681	5.0
(DEL) Alkane: Cyc...	9.25	0.8	ug/L	18935	2	9.09	123681	5.0
Bicyclo[3.2.1]octane	9.36	8.5	ug/L	210066	2	9.09	123681	5.0
Bicyclo[2.2.2]octane	9.48	1.1	ug/L	26239	2	9.09	123681	5.0
Cyclohexene, 1-et...	9.57	0.9	ug/L	23223	2	9.09	123681	5.0
1-Decyne	9.75	7.4	ug/L	181975	2	9.09	123681	5.0
(DEL) Alkane: Cyc...	9.81	0.6	ug/L	15189	2	9.09	123681	5.0
unknown-01	9.91	2.3	ug/L	56250	2	9.09	123681	5.0
unknown-02	10.05	1.3	ug/L	32989	2	9.09	123681	5.0
4-Nonyne	10.12	1.2	ug/L	28939	2	9.09	123681	5.0
1H-Indene, octahy...	10.21	2.4	ug/L	59354	2	9.09	123681	5.0
Ethylidenecyclohe...	10.38	2.9	ug/L	75228	3	11.48	128877	5.0
(DEL) Alkane: Cyc...	10.49	1.3	ug/L	34403	3	11.48	128877	5.0
Cyclohexanol, 4-s...	10.70	1.1	ug/L	28942	3	11.48	128877	5.0
Cyclohexane, 1,3-...	10.77	0.6	ug/L	16247	3	11.48	128877	5.0
(DEL) Alkane: Cyc...	10.86	1.1	ug/L	29601	3	11.48	128877	5.0
Benzene, tert-butyl-	11.10	5.4	ug/L	138767	3	11.48	128877	5.0
unknown-03	11.15	0.7	ug/L	17977	3	11.48	128877	5.0
Benzene, (2-methy...	11.29	20.5	ug/L	529433	3	11.48	128877	5.0
Bicyclo[2.2.1]hep...	11.60	0.6	ug/L	15484	3	11.48	128877	5.0
Benzene, 1,2-diet...	11.98	2.3	ug/L	60232	3	11.48	128877	5.0
Benzene, 1-methyl...	12.05	0.6	ug/L	15232	3	11.48	128877	5.0
Benzene, (1-ethyl...	12.23	3.1	ug/L	80410	3	11.48	128877	5.0
Adamantane	12.30	2.7	ug/L	68634	3	11.48	128877	5.0
Benzene, (1,1-dim...	12.36	0.6	ug/L	14763	3	11.48	128877	5.0
Benzene, (1-methy...	12.40	2.2	ug/L	55783	3	11.48	128877	5.0
unknown-04	12.49	1.3	ug/L	34505	3	11.48	128877	5.0
1H-Indene, 2,3-di...	12.54	20.4	ug/L	524699	3	11.48	128877	5.0
Benzene, 1-methyl...	12.62	5.5	ug/L	142574	3	11.48	128877	5.0
Benzene, 1,3-dime...	12.72	0.7	ug/L	17118	3	11.48	128877	5.0
1H-Indene, 2,3-di...	12.79	3.0	ug/L	78177	3	11.48	128877	5.0
Benzene, (2-methy...	12.92	9.8	ug/L	251645	3	11.48	128877	5.0

2,2-Dimethylinden...	13.00	3.6	ug/L	93015	3	11.48	128877	5.0

Instrument :
MSVOA_U
ClientSampleId :
H1A01