LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032527.D
Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

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\SOMULM060619WMA.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	2.241	347	358	370	rBV2	557266	1063725	1.41%	0.226%
2	2.315	370	381	408	rVV	11838348	18369739	24.38%	3.900%
3	2.440	408	420	451	rVB	973997	1646772	2.19%	0.350%
4	2.694	488	499	519	rVB	203089	356299	0.47%	0.076%
5	3.177	633	649	676	rVB	720176	1529211	2.03%	0.325%
6	3.984	878	900	928	rBV	4686415	11867937	15.75%	2.519%
7	4.251	976	983	1012	rVB	209667	512045	0.68%	0.109%
8	4.640	1091	1104	1125	rVB2	156406	379249	0.50%	0.081%
9	4.907	1172	1187	1203	rBV	144293	337246	0.45%	0.072%
10	5.341	1297	1322	1331	rBV3	1155623	2890881	3.84%	0.614%
11	5.775	1444	1457	1477	rBV	174679	358169	0.48%	0.076%
12	5.881	1477	1490	1506	rBV	286952	563208	0.75%	0.120%
13	6.173	1566	1581	1610	rBV2	760763	1989639	2.64%	0.422%
14	6.324	1615	1628	1640	rVV	171242	342072	0.45%	0.073%
15	6.408	1640	1654	1674	rVB	1080456	2112659	2.80%	0.449%
16	6.569	1694	1704	1738	rVB	195965	363921	0.48%	0.077%
17	7.456	1965	1980	1994	rBV	5247686	9187735	12.19%	1.950%
18	7.562	2004	2013	2019	rBV	332273	576907	0.77%	0.122%
19	7.633	2025	2035	2048	rVB	3269758	5457263	7.24%	1.159%
20	7.845	2092	2101	2109	rBV2	170439	284560	0.38%	0.060%
21	7.903	2109	2119	2146	rVB	1035258	1791009	2.38%	0.380%
22	8.221	2207	2218	2232	rBV	824722	1390469	1.85%	0.295%
23	8.312	2232	2246	2256	rBV	12620977	21774252	28.90%	4.622%
24	8.357	2256	2260	2272	rVB	901702	1307522	1.74%	0.278%
25	8.475	2286	2297	2314	rBV	6636828	10706178	14.21%	2.273%
26	8.572	2320	2327	2350	rVB2	276979	527394	0.70%	0.112%
27	9.048	2450	2475	2504	rBV4	1139721	3952144	5.25%	0.839%
28	9.170	2504	2513	2526	rVV	640947	1180187	1.57%	0.251%
29	9.244	2527	2536	2542	rVV	715511	1182196	1.57%	0.251%
30	9.295	2542	2552	2564	rVV	5919648	10112623	13.42%	2.147%
31	9.369	2564	2575	2589	rVV2	3808877	7212870	9.57%	1.531%
32	9.456	2593	2602	2618	rVV	1603776	2663746	3.54%	0.565%
33	9.540	2618	2628	2637	rVV	678897	1186632	1.57%	0.252%
34	9.598	2637	2646	2665	rVV	1551683	2549710	3.38%	0.541%

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ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
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Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Title : VOC Analysis

35	9.774	2688	2701	2707	rBV	2423588	3977932	5.28%	0.844%
36	9.810	2707	2712	2726	rVV	2022923	2902560	3.85%	0.616%
37	9.909	2727	2743	2755	rVV3	2003459	5076275	6.74%	1.078%
38	9.977	2755	2764	2769	rVV2	788475	1281438	1.70%	0.272%
39	10.019	2770	2777	2806	rVB3	1591323	3319409	4.41%	0.705%
40	10.160	2807	2821	2831	rBV	329176	613893	0.81%	0.130%
41	10.225	2831	2841	2853	rBV	727259	1186722	1.58%	0.252%
42	10.366	2875	2885	2886	rBV	666386	734272	0.97%	0.156%
43	10.395	2887	2894	2915	rVB2	2191215	4053768	5.38%	0.861%
44	10.495	2915	2925	2932	rBV	2624362	3916335	5.20%	0.831%
45	10.546	2932	2941	2963	rVV3	8843873	15152231	20.11%	3.217%
46	10.678	2963	2982	3001	rVV	2988192	7155897	9.50%	1.519%
47	10.768	3002	3010	3025	rVB2	1811252	3013310	4.00%	0.640%
48	10.919	3043	3057	3065	rBV	11277052	17403249	23.10%	3.695%
49	10.967	3065	3072	3084	rVB	2248215	3652815	4.85%	0.775%
50	11.064	3092	3102	3117	rVB	3019922	4536085	6.02%	0.963%
51	11.147	3117	3128	3139	rBV	4672252	7128134	9.46%	1.513%
52	11.244	3145	3158	3171	rBV4	17609734	30590734	40.60%	6.494%
53	11.311	3173	3179	3198	rVB6	629285	1427720	1.89%	0.303%
54	11.434	3199	3217	3223	rBV6	1886290	4401133	5.84%	0.934%
55	11.475	3223	3230	3239	rVB3	2308087	3482578	4.62%	0.739%
56	11.536	3239	3249	3256	rBV	12317094	18879873	25.06%	4.008%
57	11.662	3280	3288	3298	rVB	896618	1375545	1.83%	0.292%
58	11.768	3299	3321	3340	rBV2	37204589	75346771	100.00%	15.996%
59	11.871	3343	3353	3361	rVV5	1202179	2851782	3.78%	0.605%
60	11.926	3361	3370	3381	rVB	4475403	7284198	9.67%	1.546%
61	12.051	3399	3409	3428	rBV2	3650519	6573573	8.72%	1.396%
62	12.154	3428	3441	3459	rVB	16123618	27604526	36.64%	5.860%
63	12.250	3459	3471	3484	rVB4	946905	2260834	3.00%	0.480%
64	12.321	3486	3493	3499	rBV5	365257	571507	0.76%	0.121%
65	12.408	3512	3520	3538	rVB4	635043	1604300	2.13%	0.341%
66	12.504	3538	3550	3561	rBV2	4940082	8617481	11.44%	1.829%
67	12.623	3581	3587	3595	rVV5	296738	412763	0.55%	0.088%
68	12.688	3596	3607	3618	rVV4	4085151	8605632	11.42%	1.827%
69	12.739	3618	3623	3628	rVV	316956	438356	0.58%	0.093%
70	12.784	3629	3637	3651	rVB	2606702	4051194	5.38%	0.860%
71	12.884	3662	3668	3675	rBV3	272621	429148	0.57%	0.091%

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ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

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

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Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Title : VOC Analysis

72	13.009	3698	3707	3718	rBV4	3233317	5999472	7.96%	1.274%
73	13.118	3735	3741	3749	rVB2	916600	1355168	1.80%	0.288%
74	13.167	3750	3756	3764	rVB	577536	820441	1.09%	0.174%
75	13.215	3765	3771	3781	rVB3	433860	622125	0.83%	0.132%
76	13.286	3783	3793	3801	rVB	787094	1206196	1.60%	0.256%
77	13.343	3801	3811	3821	rBV3	753159	1286956	1.71%	0.273%
78	13.414	3823	3833	3846	rVV4	1342033	2682349	3.56%	0.569%
79	13.501	3847	3860	3870	rVB5	764510	1530100	2.03%	0.325%
80	13.607	3884	3893	3898	rBV	1585195	2360412	3.13%	0.501%
81	13.649	3898	3906	3917	rVB	4409546	7140581	9.48%	1.516%
82	13.736	3926	3933	3949	rVB	1217614	1967688	2.61%	0.418%
83	13.855	3951	3970	3974	rBV8	472107	1253182	1.66%	0.266%
84	13.977	3999	4008	4017	rBV	628369	1224335	1.62%	0.260%
85	14.035	4017	4026	4043	rVB2	2350240	4268336	5.66%	0.906%
86	14.112	4044	4050	4066	rVB	423335	753727	1.00%	0.160%
87	14.202	4067	4078	4086	rBV5	511963	942558	1.25%	0.200%
88	14.257	4086	4095	4102	rBV	1252805	1775502	2.36%	0.377%
89	14.298	4103	4108	4120	rVB3	252742	392472	0.52%	0.083%
90	14.430	4138	4149	4164	rBV2	1739656	2932568	3.89%	0.623%
91	14.835	4269	4275	4280	rVV	388334	538132	0.71%	0.114%
92	14.874	4280	4287	4308	rVV4	675266	1725598	2.29%	0.366%
93	14.964	4309	4315	4322	rVB	205890	283700	0.38%	0.060%
94	15.057	4335	4344	4362	rVB4	724009	1452135	1.93%	0.308%
95	15.530	4480	4491	4505	rBV	1173236	2058655	2.73%	0.437%
96	15.636	4518	4524	4533	rVB4	198605	283888	0.38%	0.060%
97	15.739	4546	4556	4568	rBV2	1353039	2280789	3.03%	0.484%
98	15.941	4613	4619	4635	rVB2	340517	652272	0.87%	0.138%
99	16.038	4639	4649	4660	rVV6	303191	734099	0.97%	0.156%
100	16.138	4673	4680	4701	rVB2	485471	885792	1.18%	0.188%

Sum of corrected areas: 471049370

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
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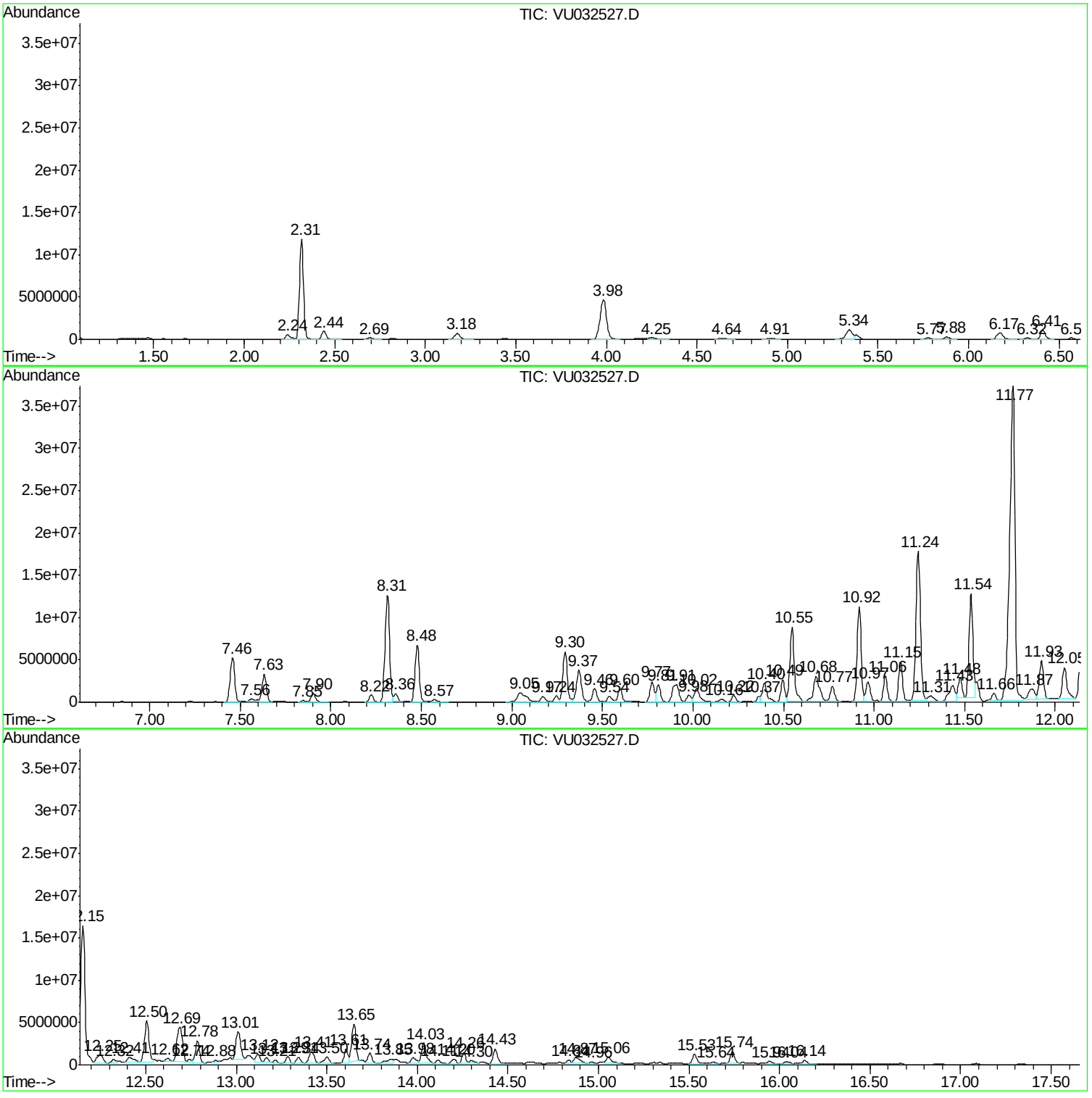
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
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Instrument : MSVOA_U
ClientSampleId : DB8H9

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Quant Title : VOC Analysis

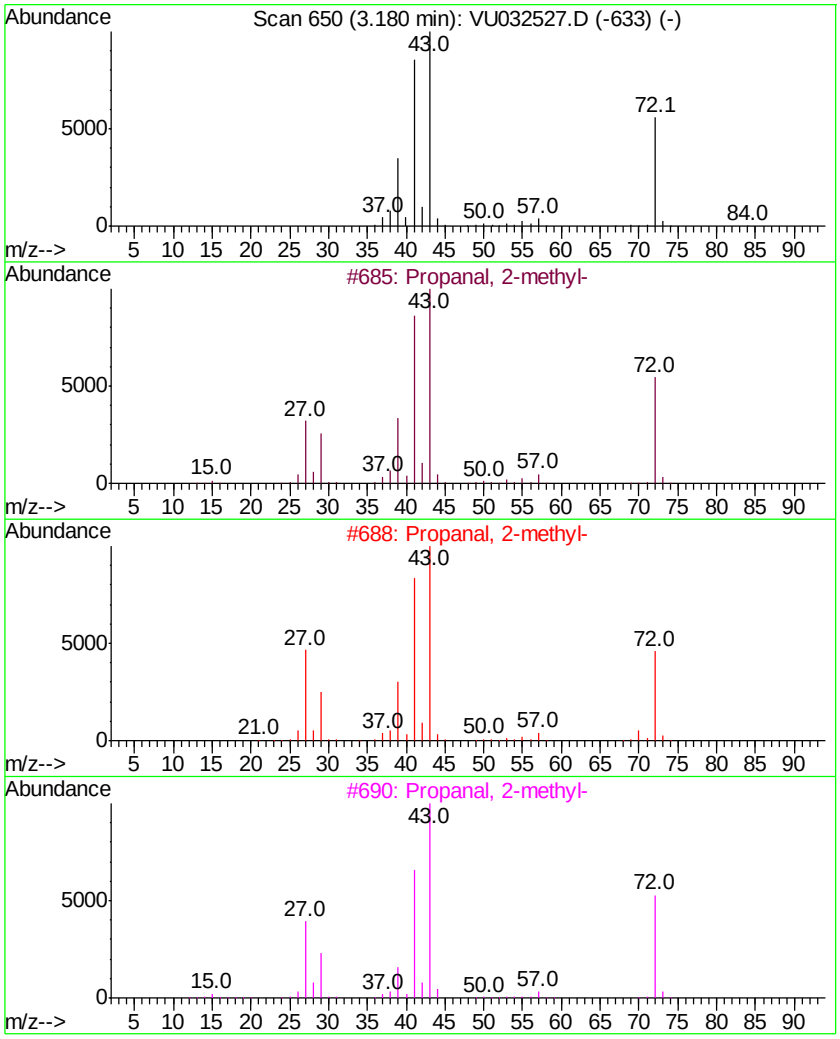
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

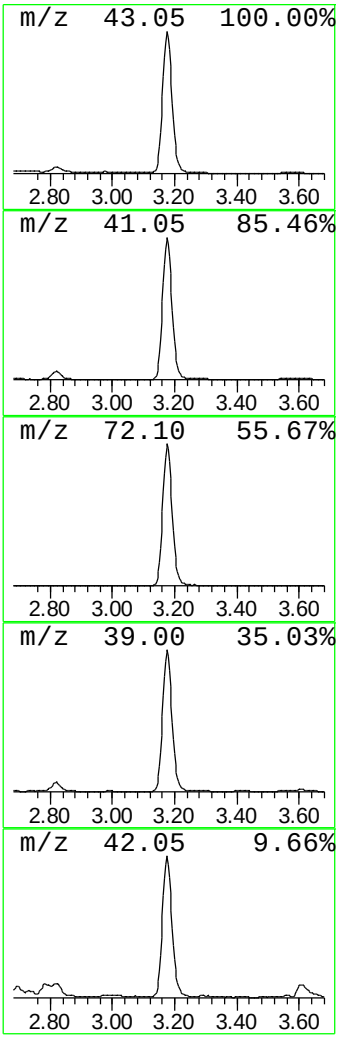
****

Peak Number 1 Propanal, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	135.76 ug/L	1529210	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	91
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	91
3	Propanal, 2-methyl-	72	C4H8O	000078-84-2	78
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	43
5	Isobutylene epoxide	72	C4H8O	000558-30-5	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032527.D
Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

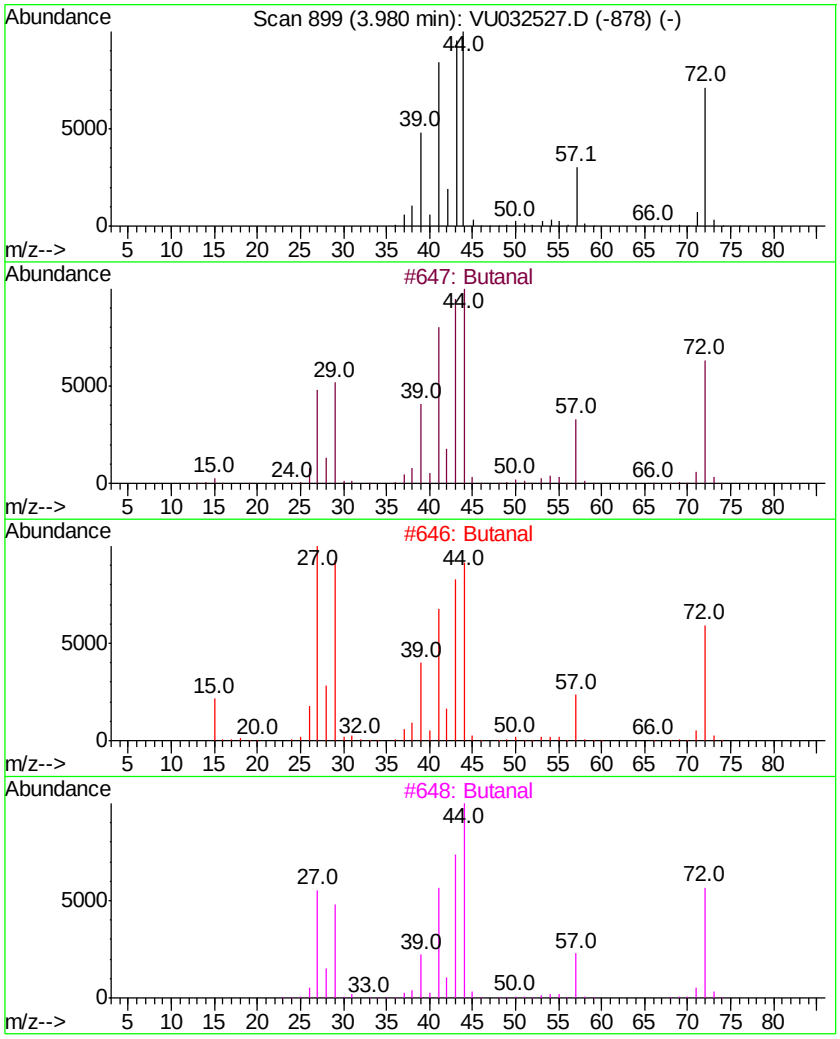
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

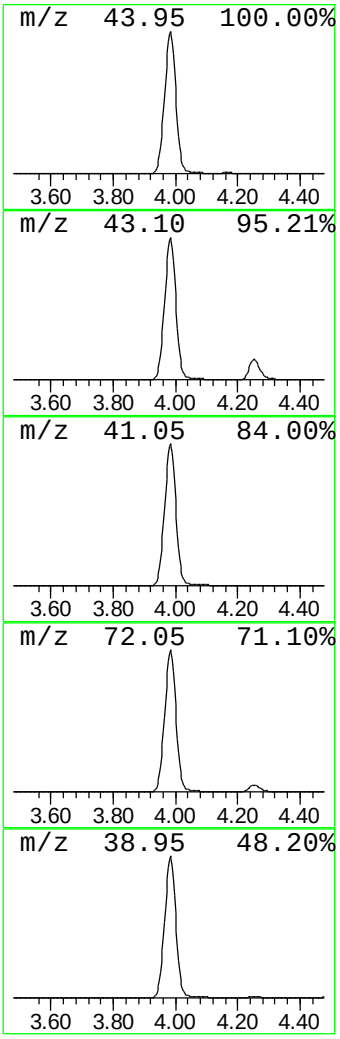
****

Peak Number 2 Butanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.98	1053.60 ug/L	11867900	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	64
4	Butanal	72	C4H8O	000123-72-8	50
5	Ethene, ethoxy-	72	C4H8O	000109-92-2	49





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

TIC Library : C:\DATABASE\NIST11.L
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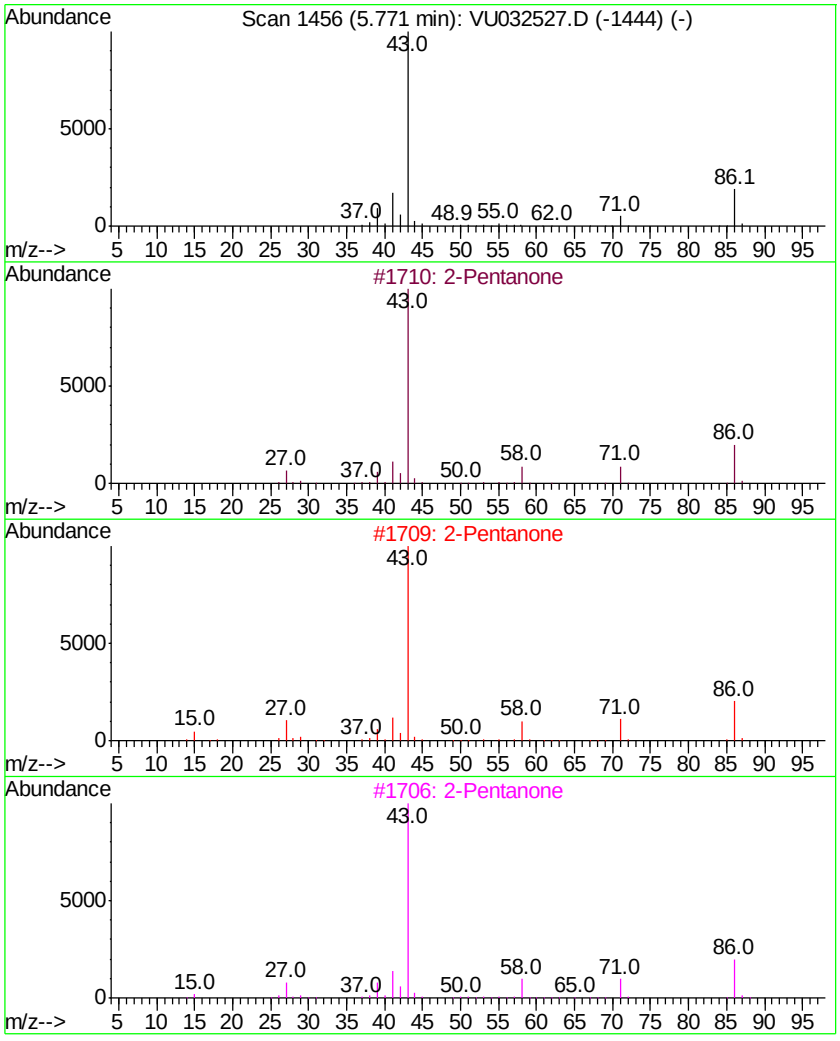
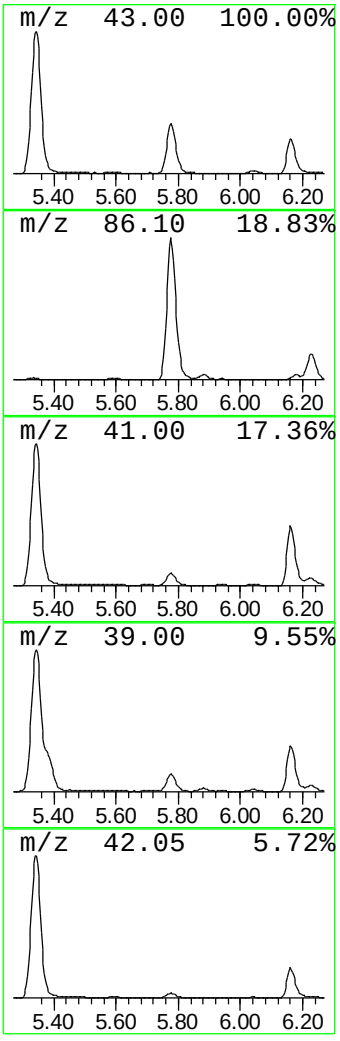
Peak Number 3 2-Pentanone Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.77	31.80 ug/L	358169	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	64
2	2-Pentanone	86	C5H10O	000107-87-9	64
3	2-Pentanone	86	C5H10O	000107-87-9	64
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	56
5	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	50





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Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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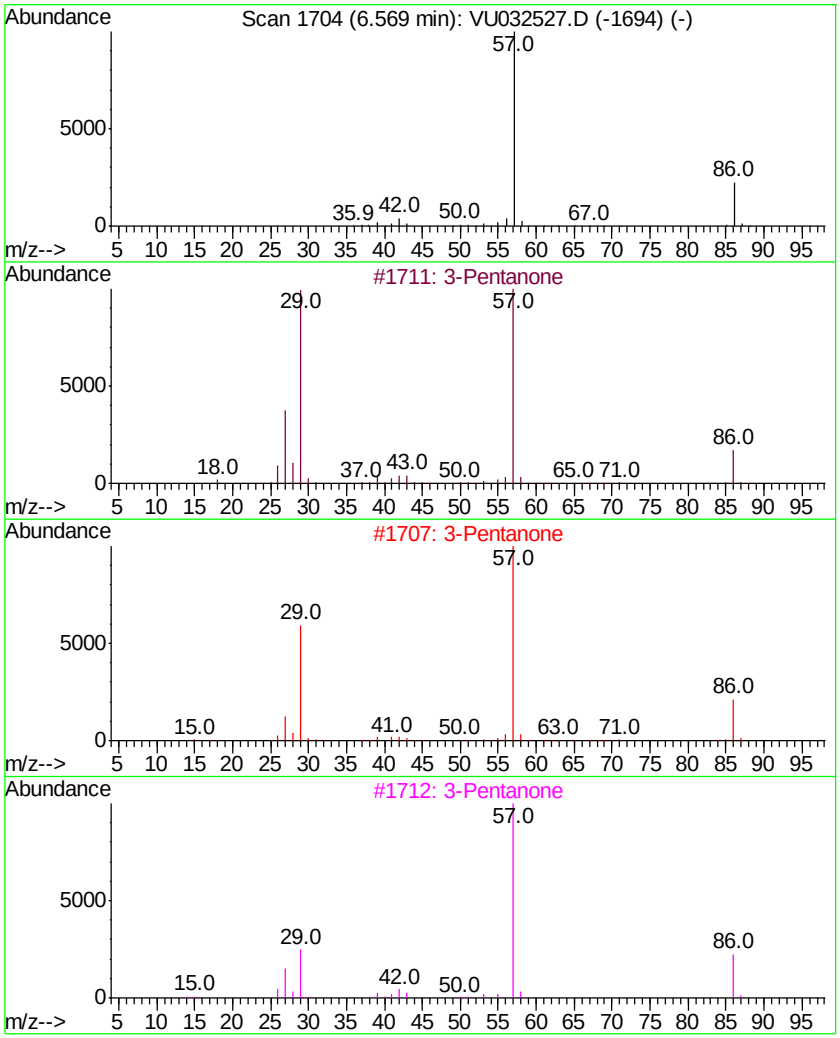
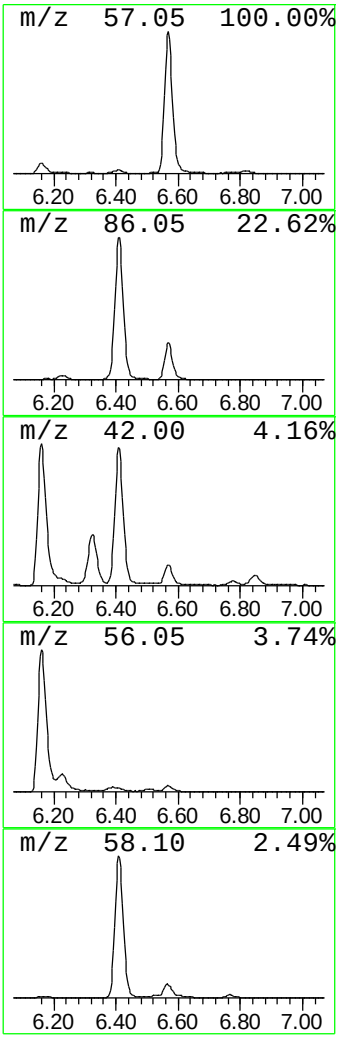
Peak Number 4 3-Pentanone Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	32.31 ug/L	363921	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone	86	C5H10O	000096-22-0	86
2	3-Pentanone	86	C5H10O	000096-22-0	80
3	3-Pentanone	86	C5H10O	000096-22-0	72
4	Propanoic acid, 2,2-dimethyl-, s...	208	C5H9AgO2	007324-58-5	9
5	2-Imidazolidinone	86	C3H6N2O	000120-93-4	7





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ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

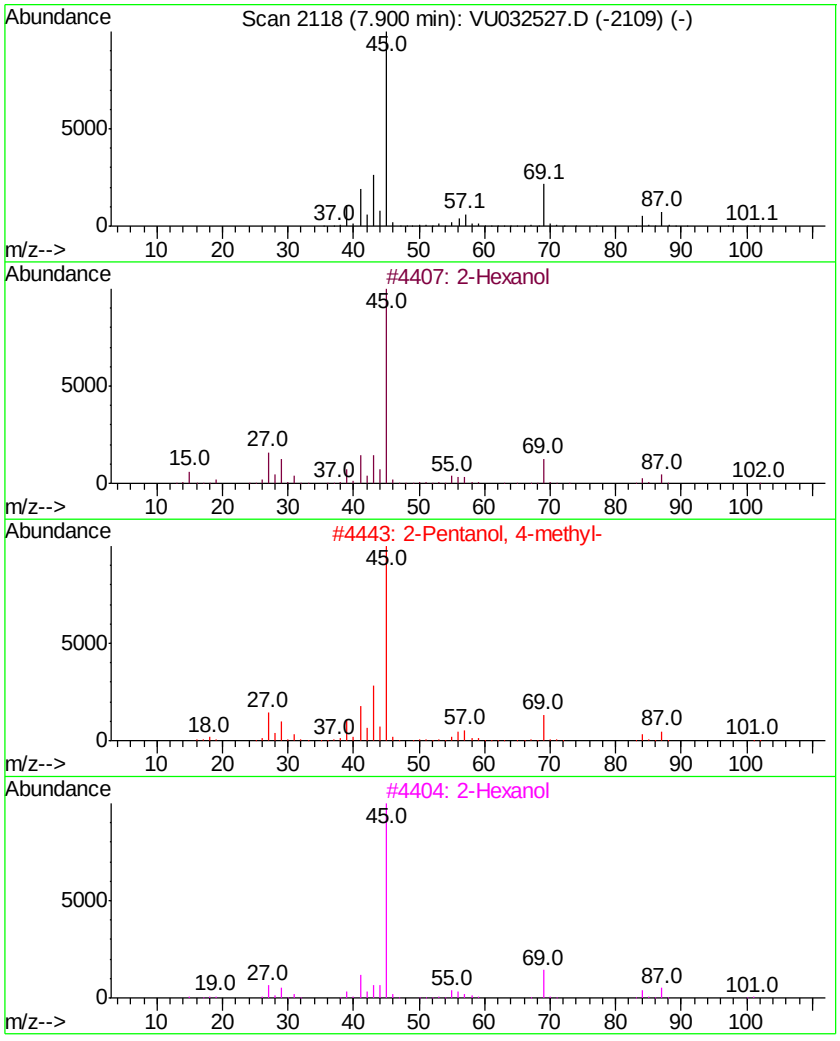
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

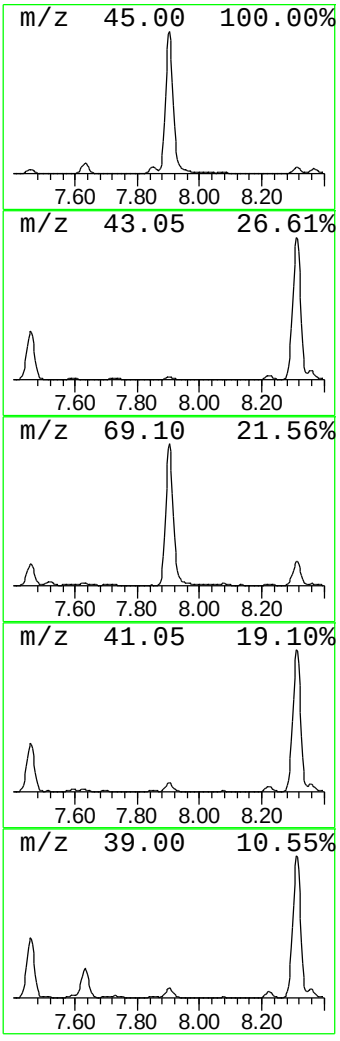
****

Peak Number 5 2-Hexanol Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.90	22.66 ug/L	1791010	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol	102	C6H14O	000626-93-7	83
2	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
3	2-Hexanol	102	C6H14O	000626-93-7	78
4	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	74
5	2-Hexanol	102	C6H14O	000626-93-7	72





Library Search Compound Report

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Data File : VU032527.D
Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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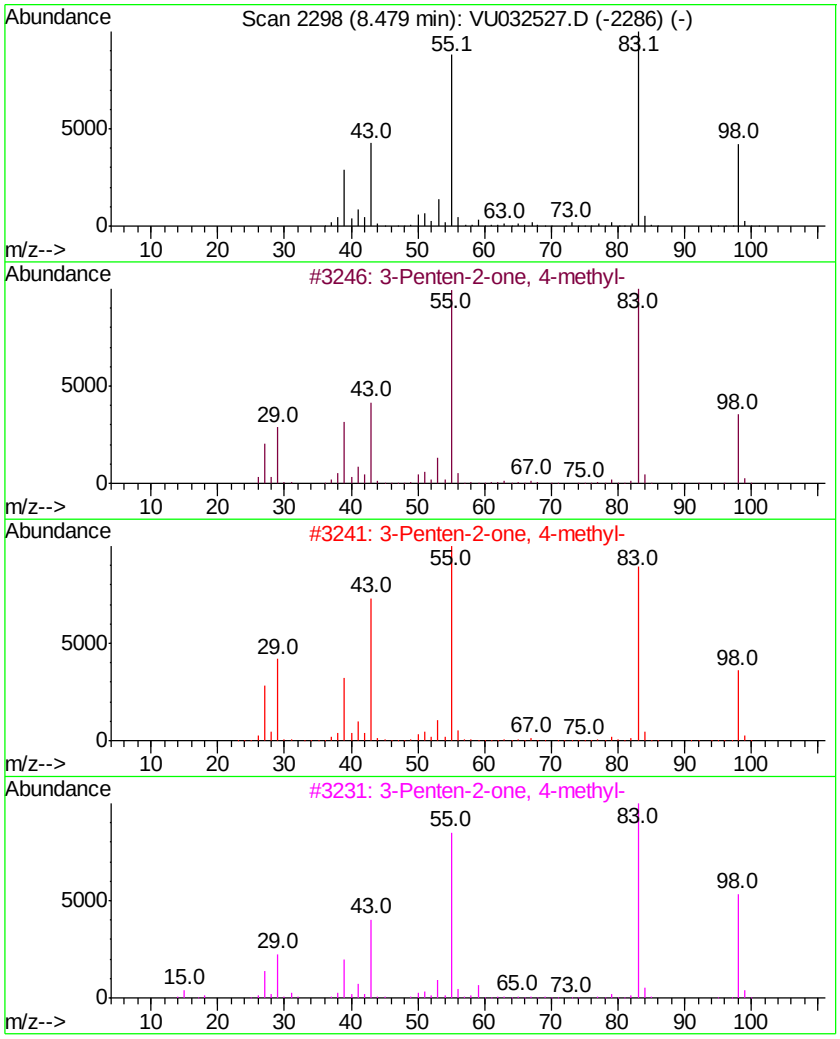
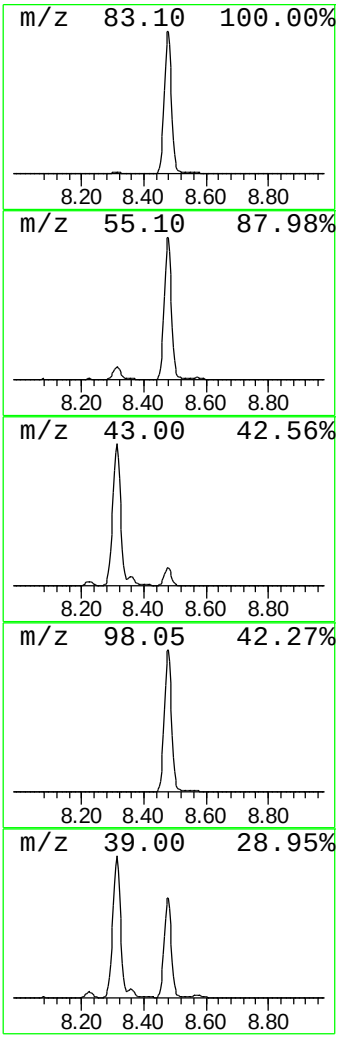
Peak Number 6 3-Penten-2-one, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	135.45 ug/L	10706200	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	95
2	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
3	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
4	3-Hexen-2-one	98	C6H10O	000763-93-9	90
5	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90





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Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

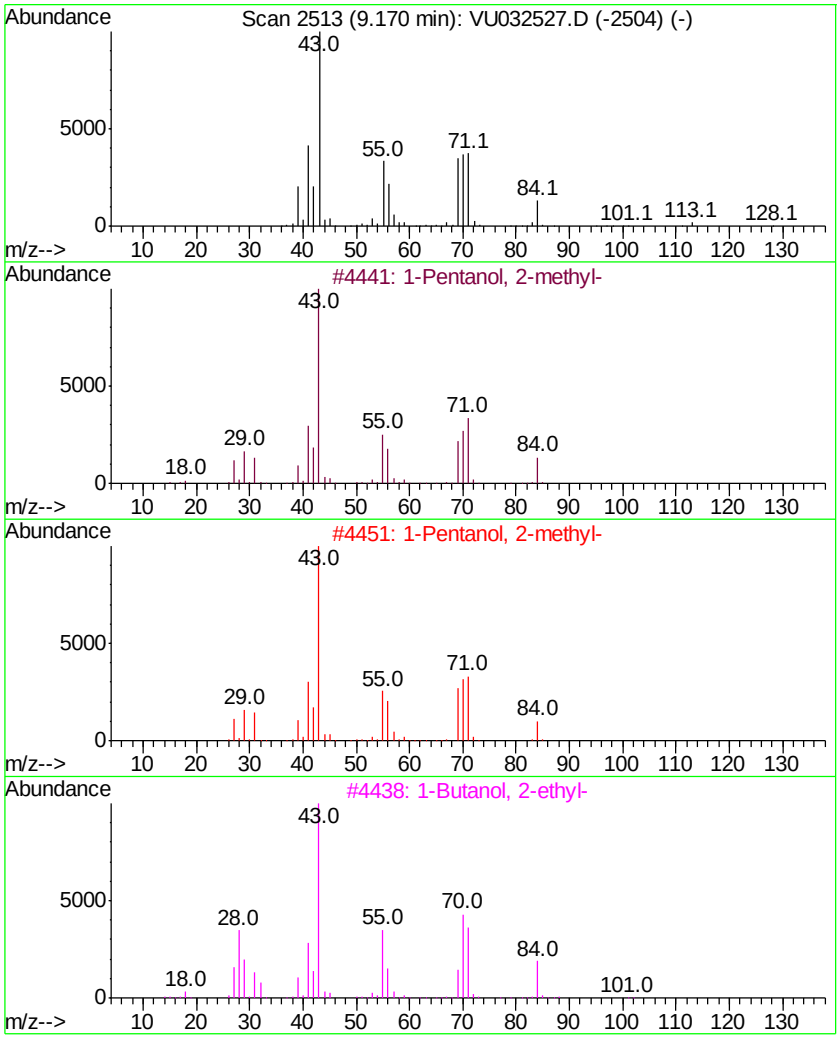
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

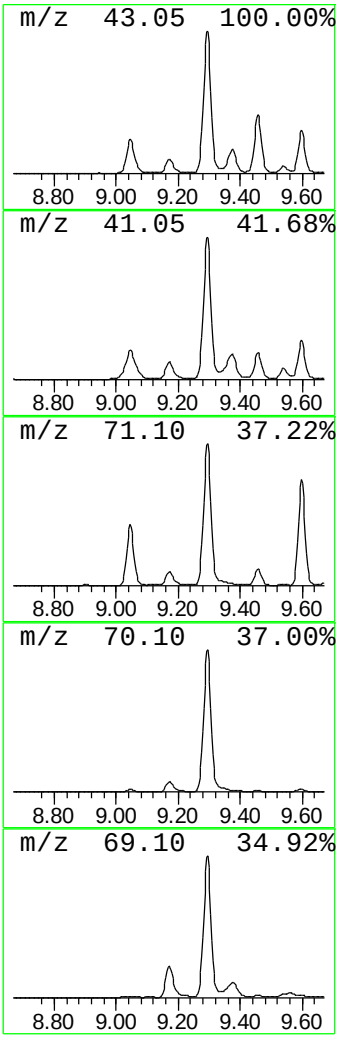
****

Peak Number 7 1-Pentanol, 2-methyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	14.93 ug/L	1180190	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	90
2	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	90
3	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	86
4	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	78
5	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	78





Library Search Compound Report

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Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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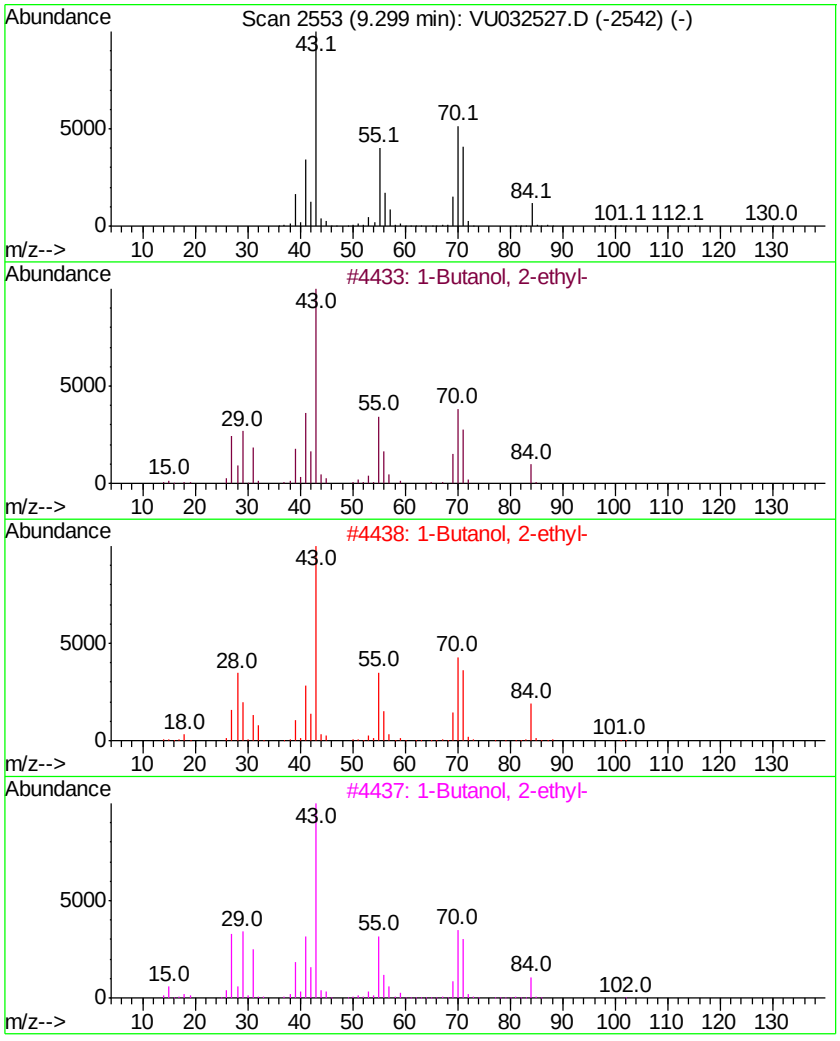
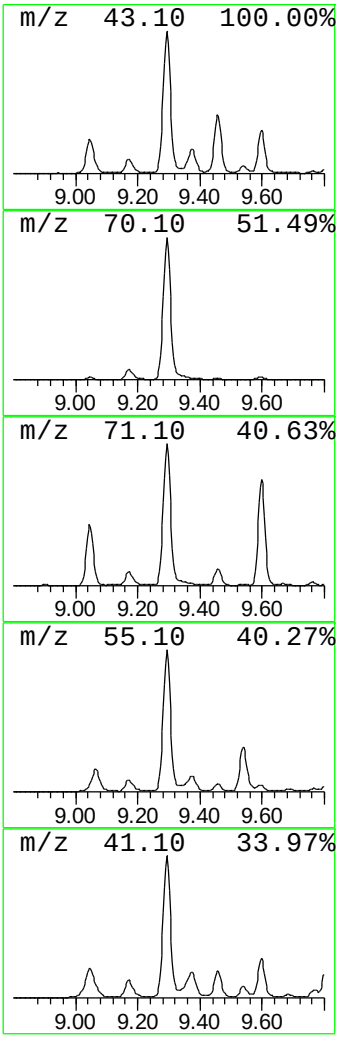
Peak Number 8 1-Butanol, 2-ethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.30	127.94 ug/L	10112600	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	90
2	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	83
3	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	78
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	50
5	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	50





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Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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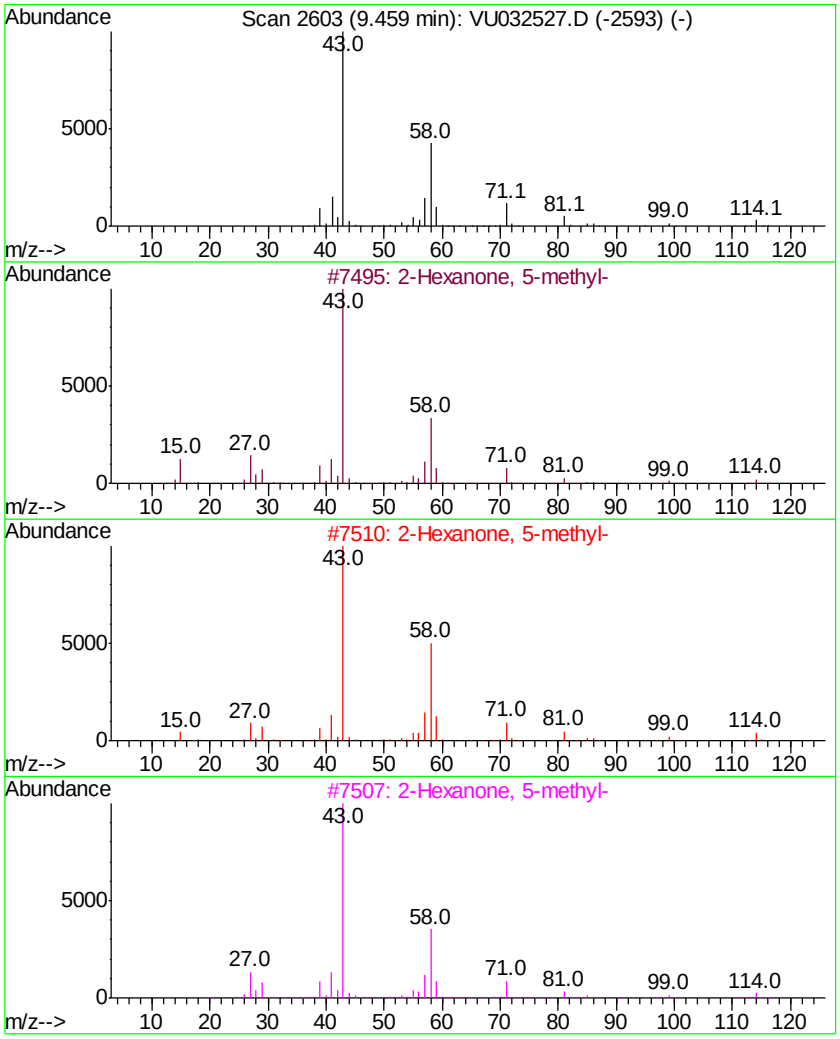
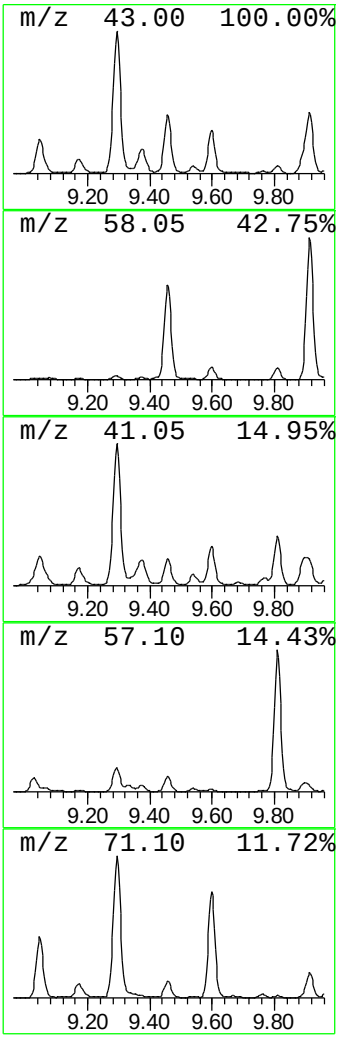
Peak Number 9 2-Hexanone, 5-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	33.70 ug/L	2663750	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	91
2	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	91
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	91
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	90
5	2-Heptanone	114	C7H14O	000110-43-0	83





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Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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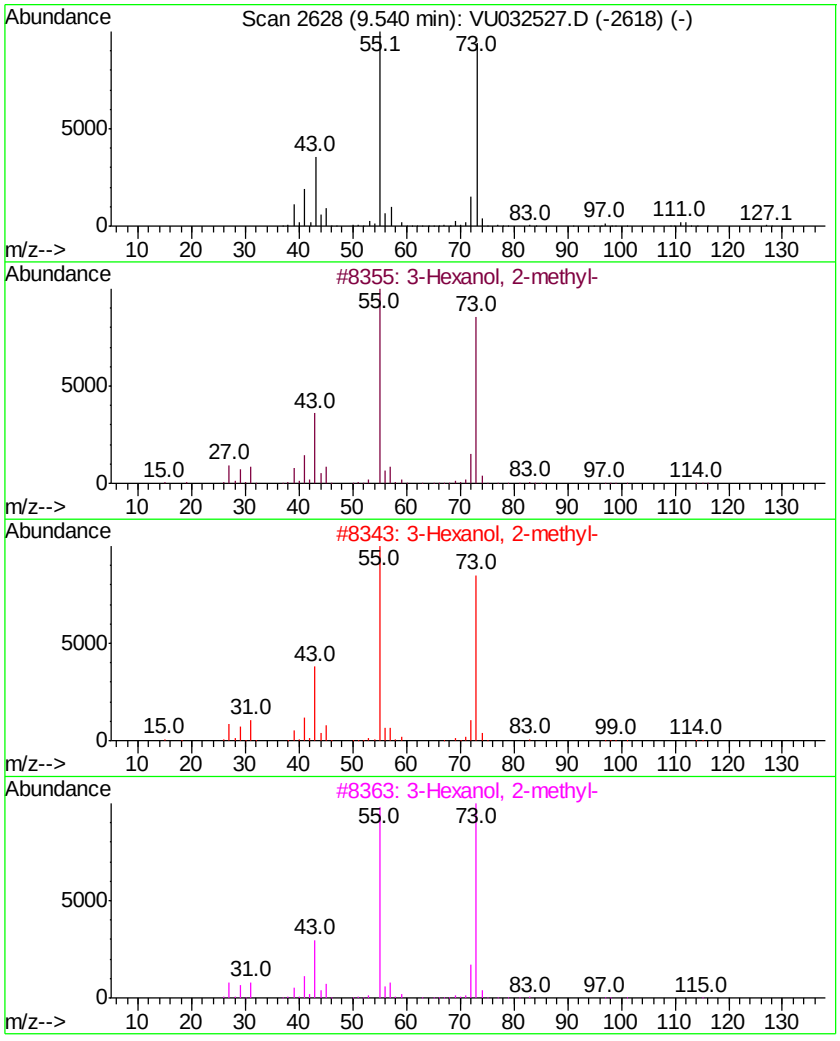
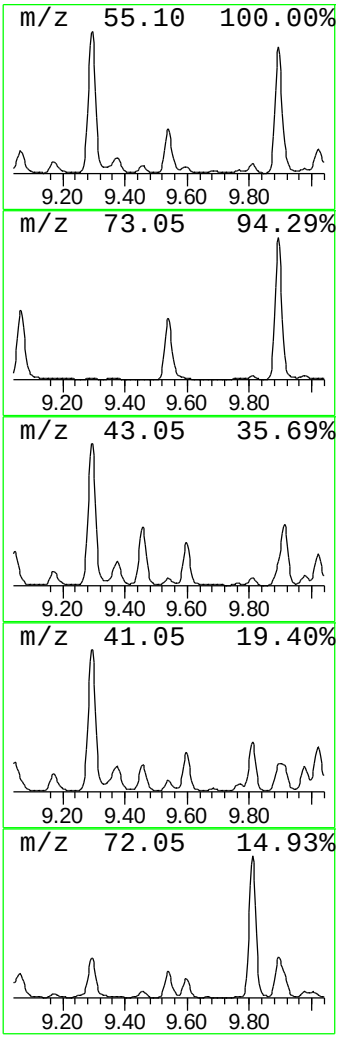
Peak Number 10 3-Hexanol, 2-methyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	15.01 ug/L	1186630	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	78
2	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	78
3	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	78
4	4-Heptanol	116	C7H16O	000589-55-9	64
5	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	56





Library Search Compound Report

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Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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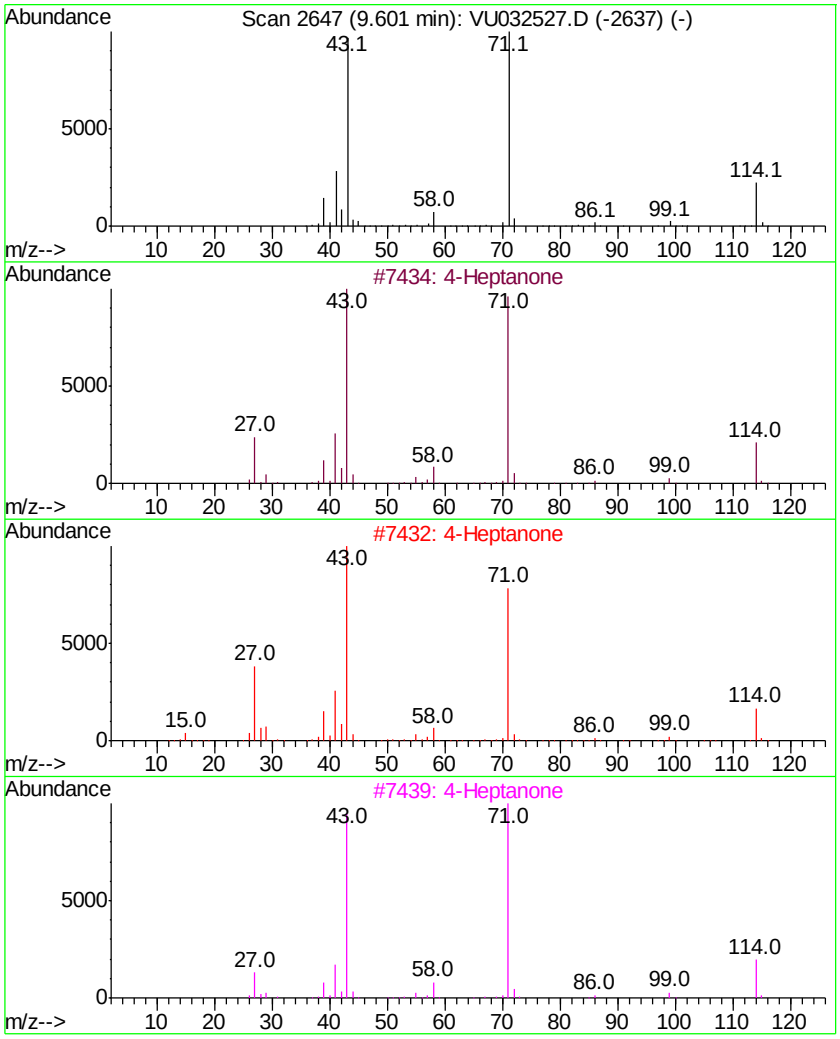
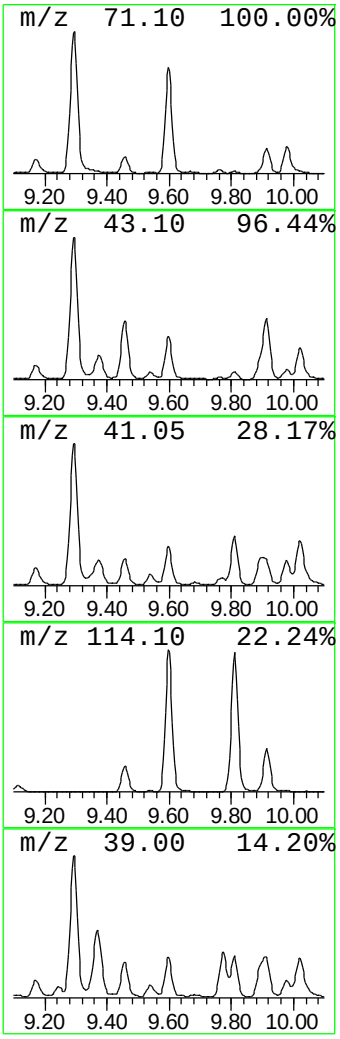
Peak Number 11 4-Heptanone Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	32.26 ug/L	2549710	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone	114	C7H14O	000123-19-3	91
2	4-Heptanone	114	C7H14O	000123-19-3	91
3	4-Heptanone	114	C7H14O	000123-19-3	87
4	4-Heptanone	114	C7H14O	000123-19-3	78
5	4-Heptanone	114	C7H14O	000123-19-3	78





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Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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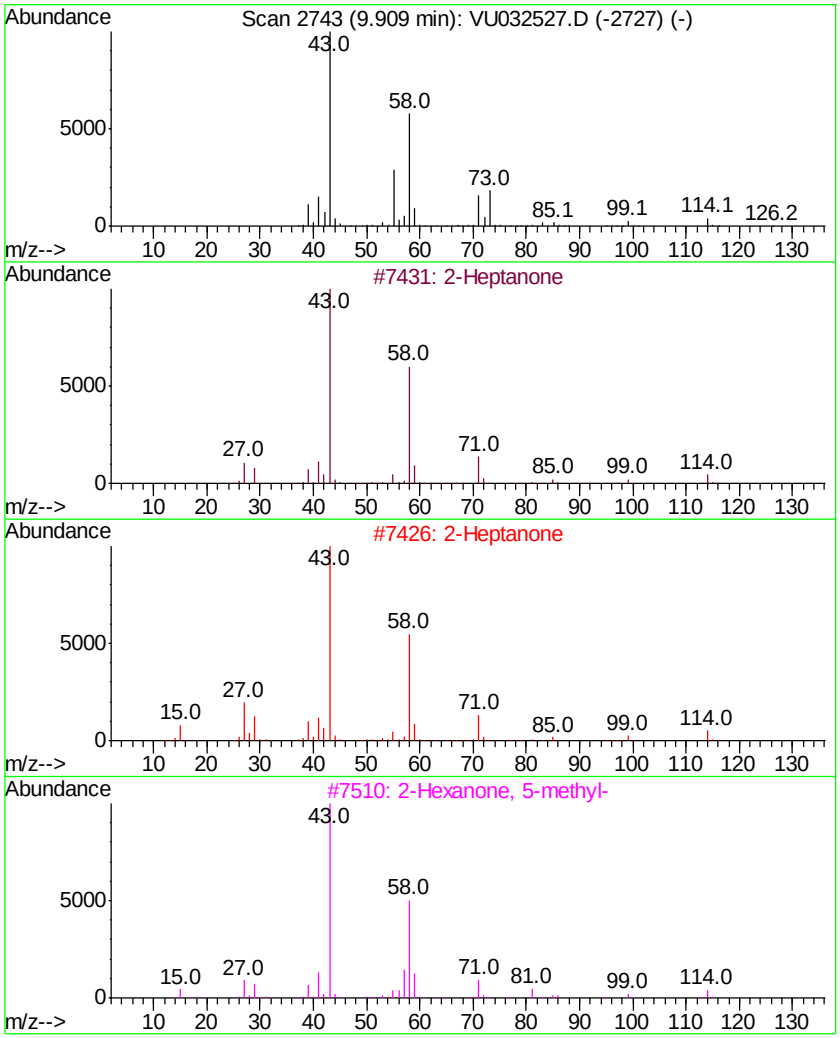
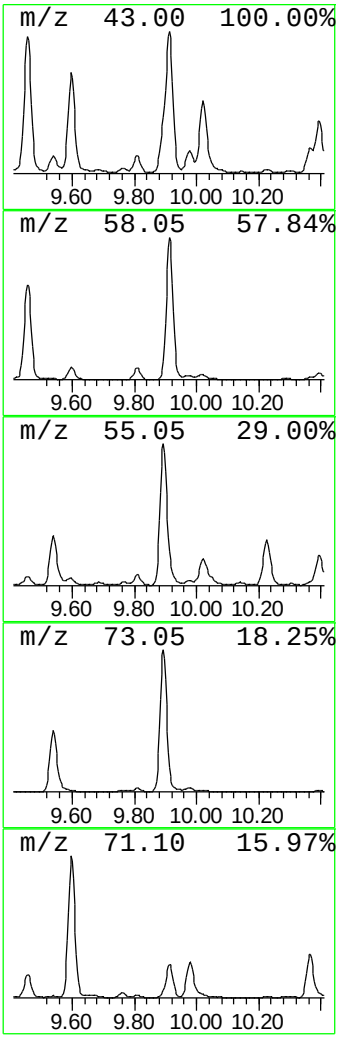
Peak Number 12 2-Heptanone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.91	64.22 ug/L	5076280	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone	114	C7H14O	000110-43-0	87
2	2-Heptanone	114	C7H14O	000110-43-0	80
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	72
4	2-Heptanone	114	C7H14O	000110-43-0	72
5	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	64





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Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

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Quant Title : VOC Analysis

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

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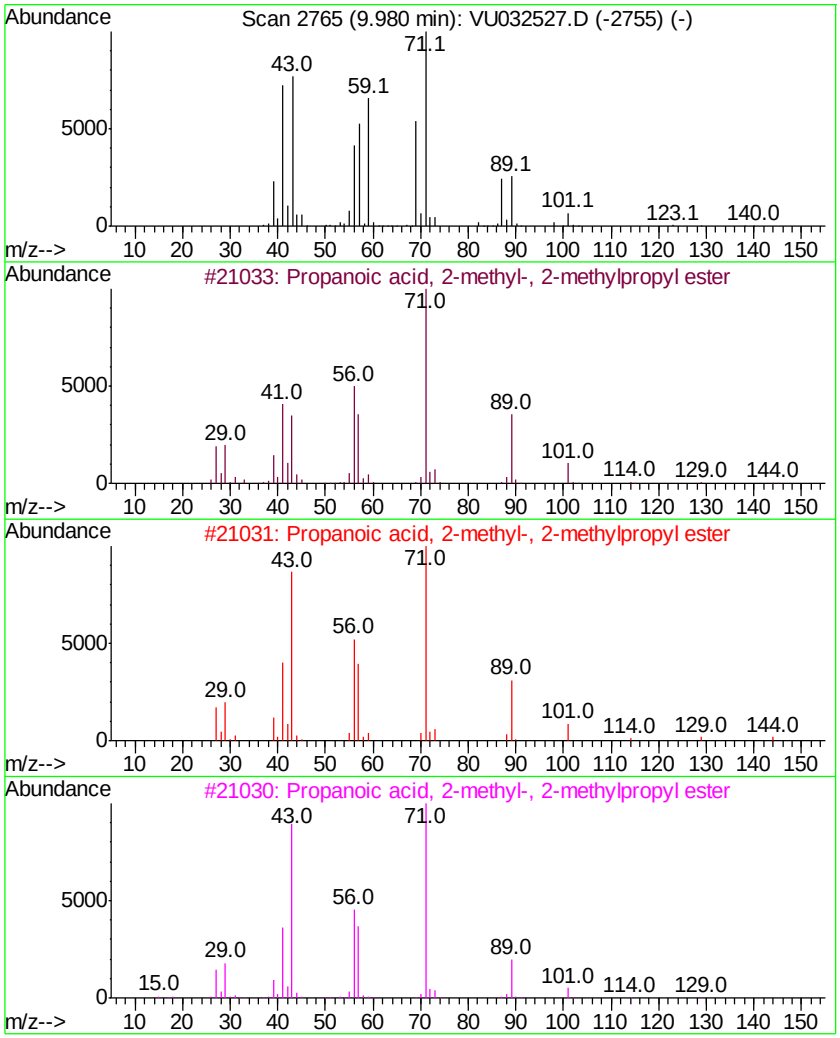
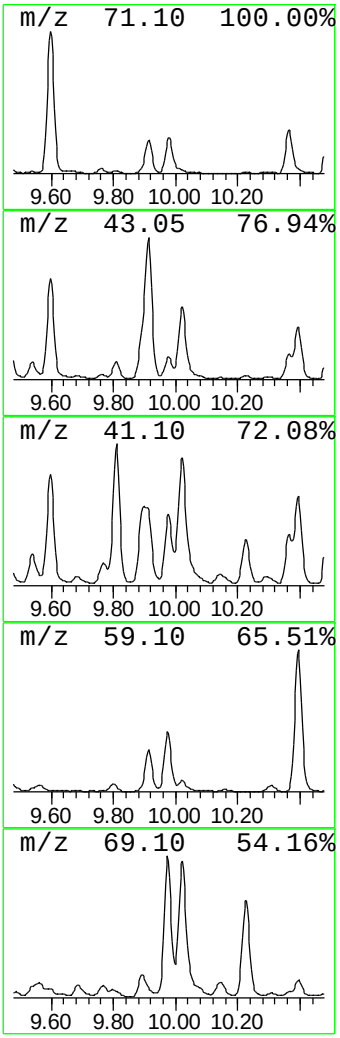
Peak Number 13 unknown-01 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.98	16.21 ug/L	1281440	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 2-met...	144	C8H16O2	000097-85-8	47
2	Propanoic acid, 2-methyl-, 2-met...	144	C8H16O2	000097-85-8	47
3	Propanoic acid, 2-methyl-, 2-met...	144	C8H16O2	000097-85-8	43
4	Propanoic acid, 2-methyl-, 2-met...	144	C8H16O2	000097-85-8	43
5	Propanoic acid, 2-methyl-, butyl...	144	C8H16O2	000097-87-0	43





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Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

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Quant Title : VOC Analysis

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

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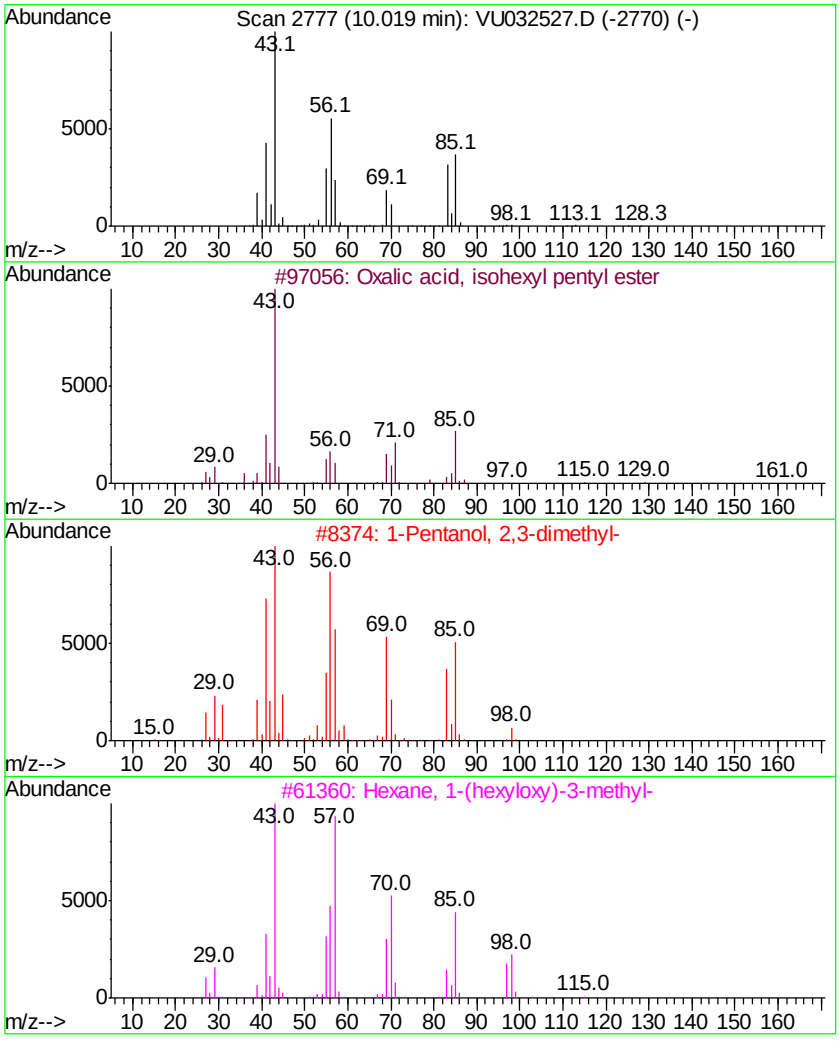
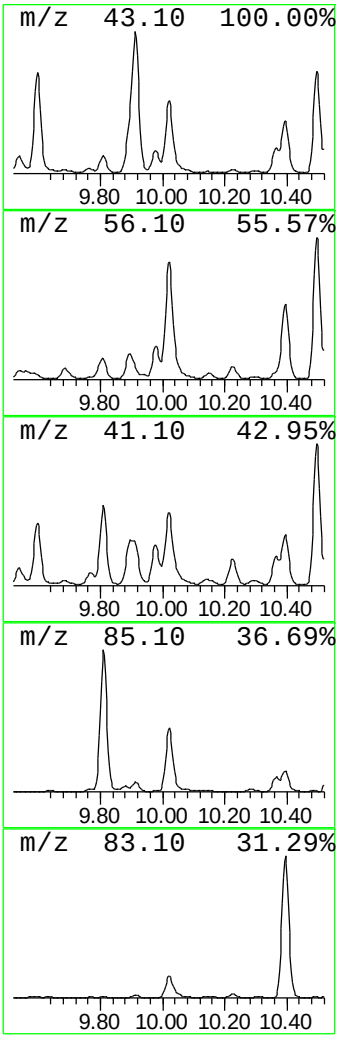
Peak Number 14 Oxalic acid, isohexyl penty... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.02	42.00 ug/L	3319410	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	53
2	1-Pentanol, 2,3-dimethyl-	116	C7H16O	010143-23-4	50
3	Hexane, 1-(hexyloxy)-3-methyl-	200	C13H28O	074421-18-4	45
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	43
5	Sulfurous acid, hexyl 2-propyl e...	208	C9H20O3S	1000309-11-7	38





Library Search Compound Report

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Data File : VU032527.D
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Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

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Quant Title : VOC Analysis

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

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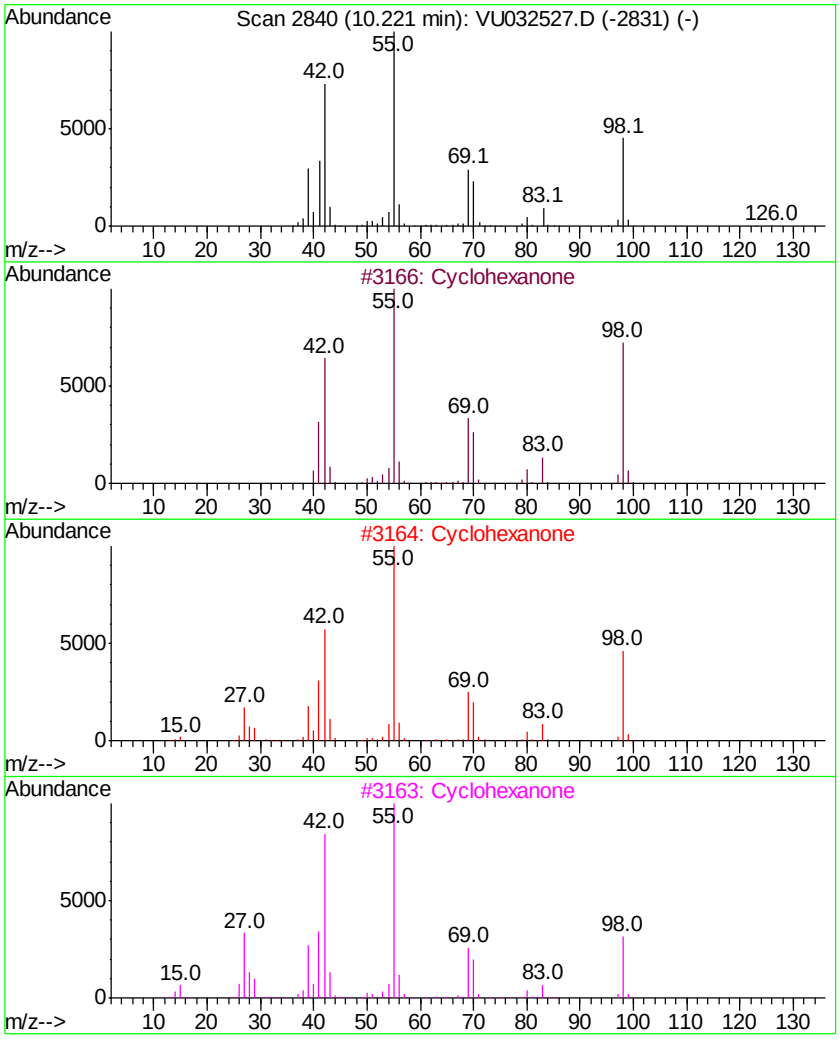
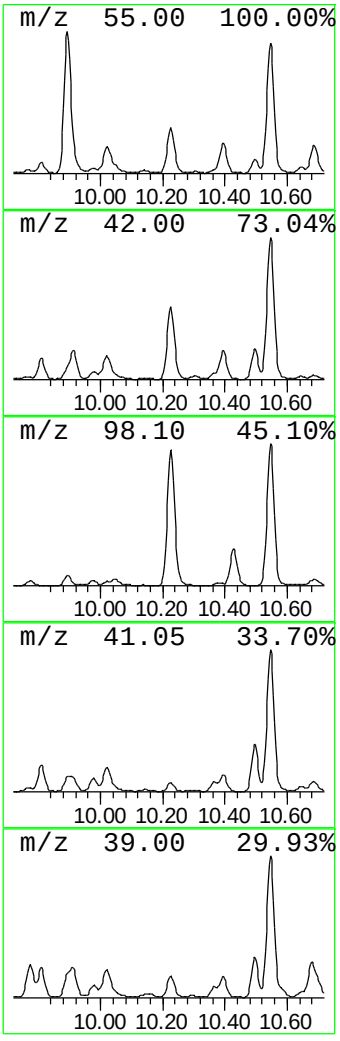
Peak Number 15 Cyclohexanone Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	15.01 ug/L	1186720	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone	98	C6H10O	000108-94-1	95
2	Cyclohexanone	98	C6H10O	000108-94-1	91
3	Cyclohexanone	98	C6H10O	000108-94-1	91
4	Cyclohexanone	98	C6H10O	000108-94-1	83
5	Cyclohexanone	98	C6H10O	000108-94-1	80





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Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

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Quant Title : VOC Analysis

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

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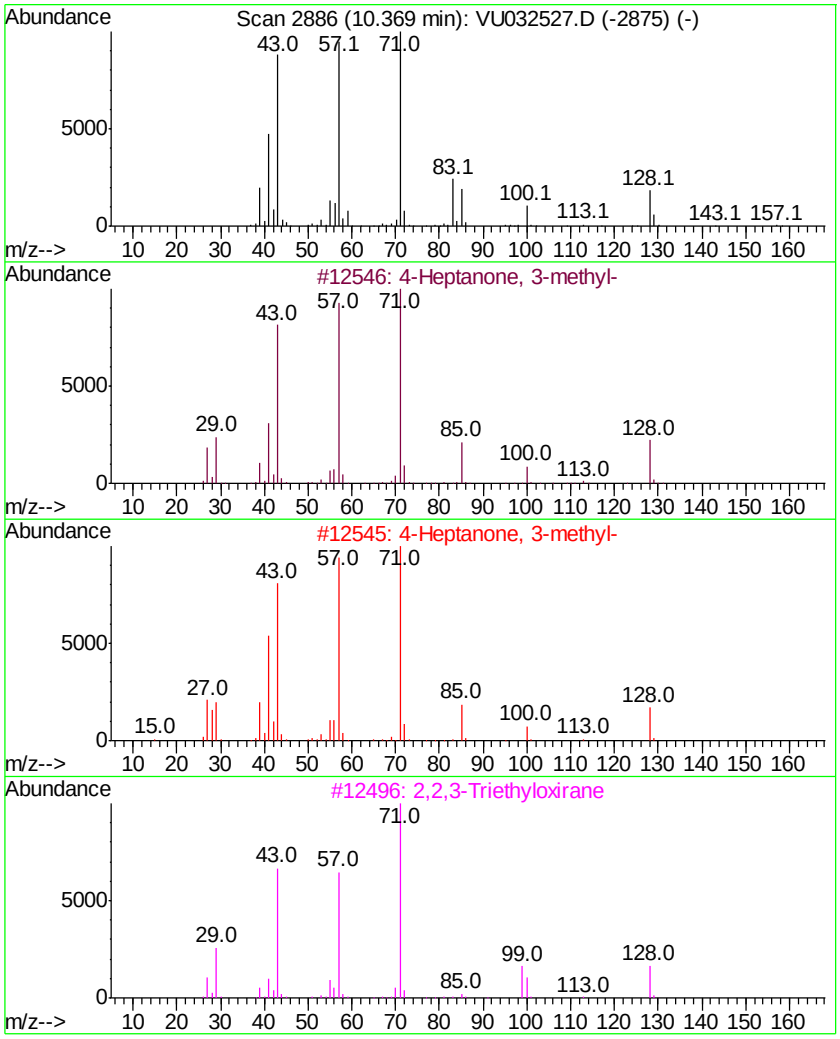
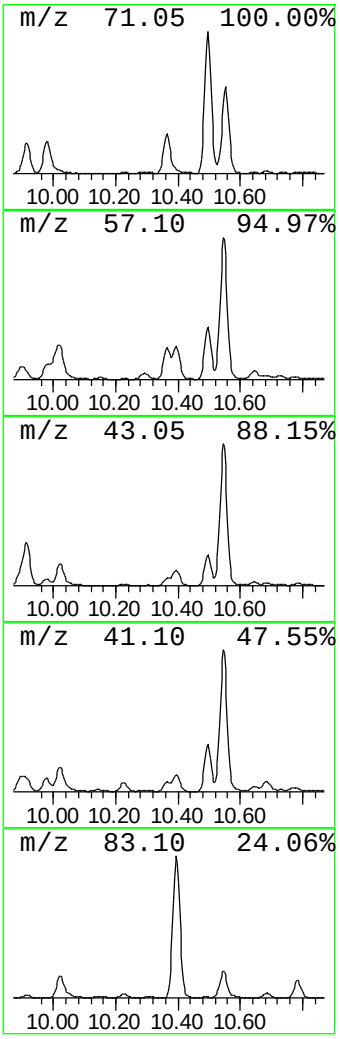
Peak Number 16 4-Heptanone, 3-methyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	10.54 ug/L	734272	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	94
2	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	94
3	2,2,3-Triethyloxirane	128	C8H16O	053229-40-6	86
4	4-Heptanone, 3-methyl-	128	C8H16O	015726-15-5	72
5	Hexane, 2,4,4-trimethyl-	128	C9H20	016747-30-1	59





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Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

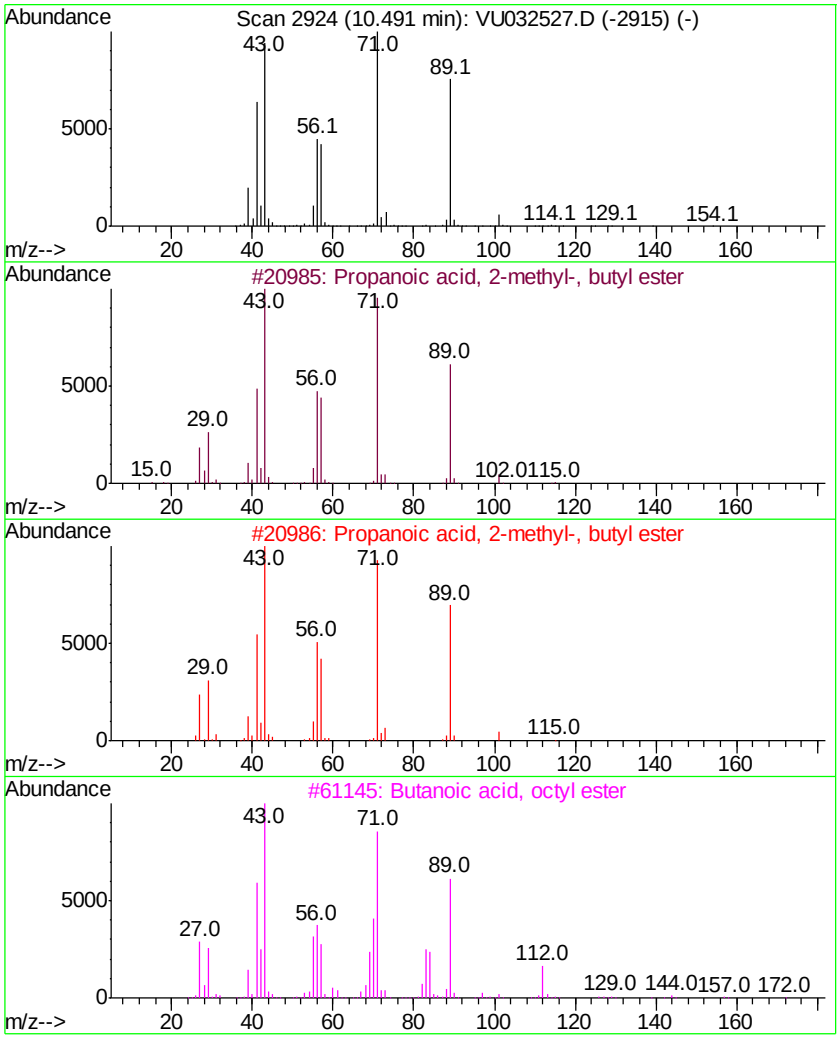
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

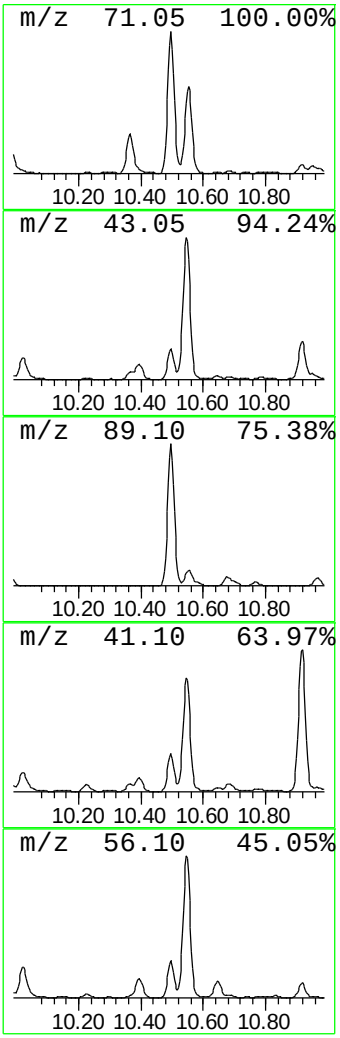
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Propanoic acid, 2-methyl-, ... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	56.23 ug/L	3916340	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, butyl...	144	C8H16O2	000097-87-0	90
2	Propanoic acid, 2-methyl-, butyl...	144	C8H16O2	000097-87-0	90
3	Butanoic acid, octyl ester	200	C12H24O2	000110-39-4	78
4	Butanoic acid, hexyl ester	172	C10H20O2	002639-63-6	74
5	Butanoic acid, heptyl ester	186	C11H22O2	005870-93-9	74





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Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

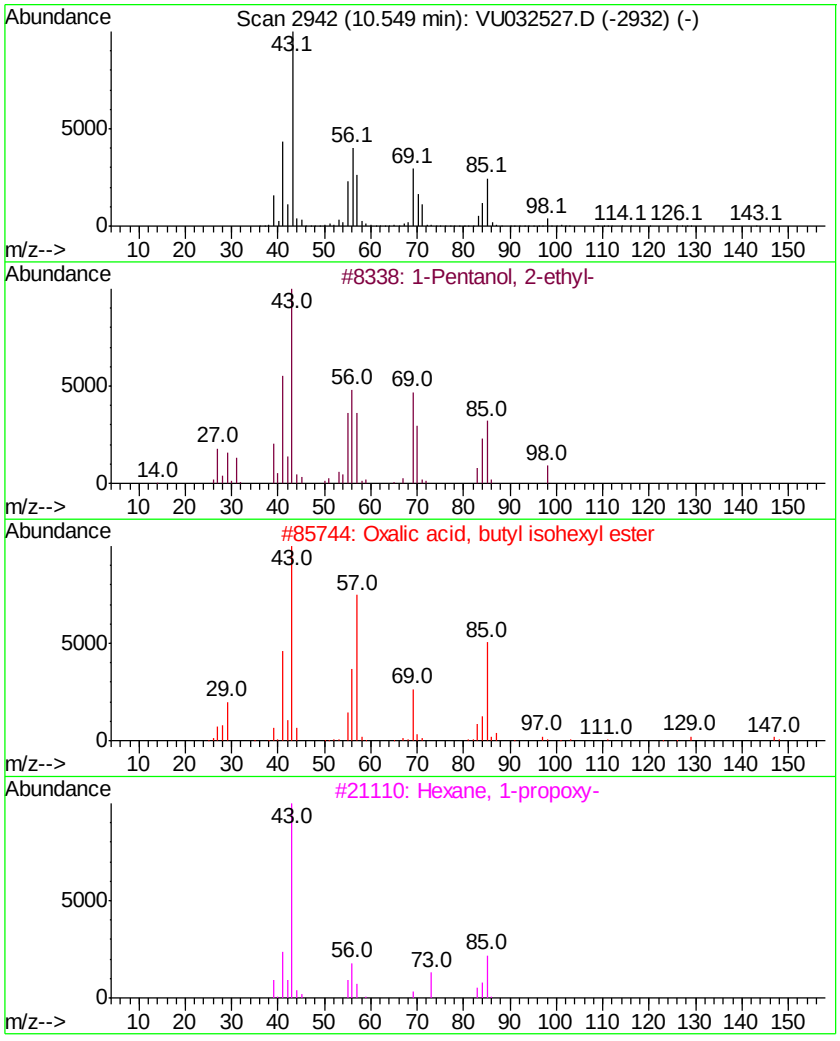
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

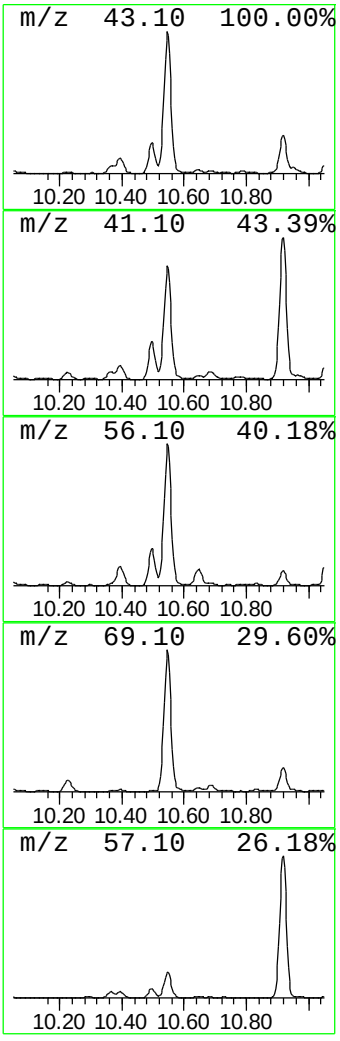
****

Peak Number 18 1-Pentanol, 2-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	217.54 ug/L	15152200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentanol, 2-ethyl-	116	C7H16O	027522-11-8	59
2	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	53
3	Hexane, 1-propoxy-	144	C9H20O	053685-78-2	50
4	1-Pentanol, 2,3-dimethyl-	116	C7H16O	010143-23-4	45
5	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	43





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Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

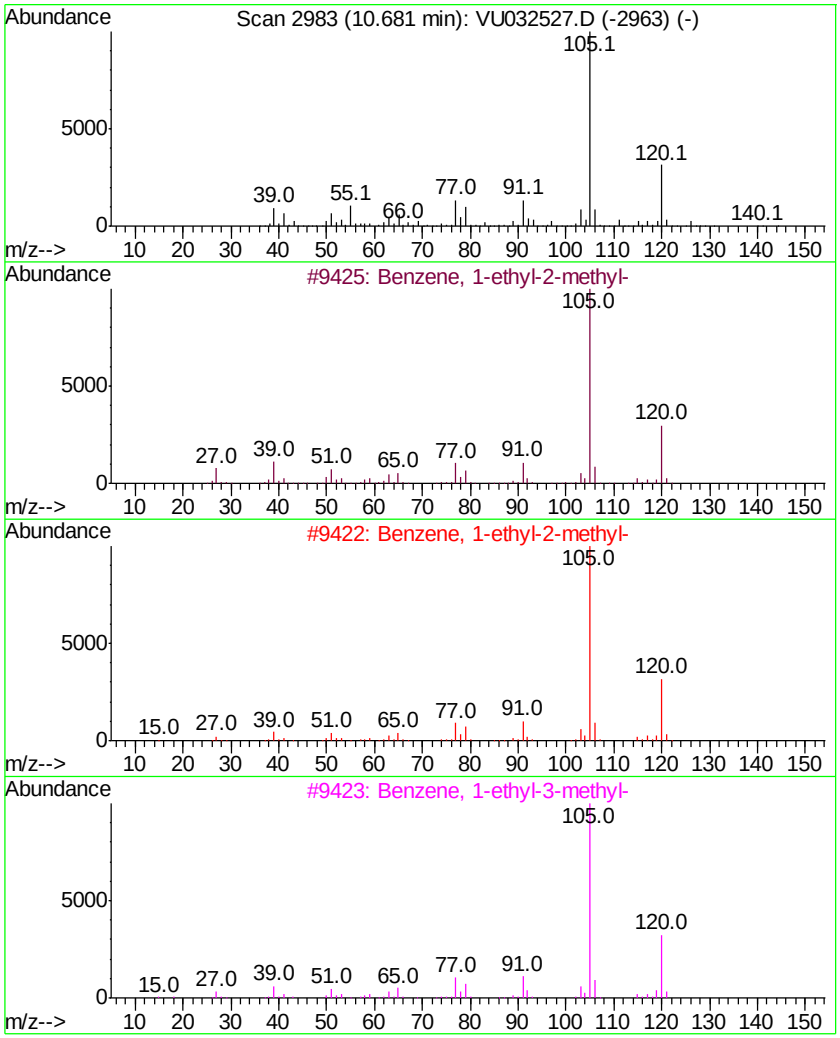
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

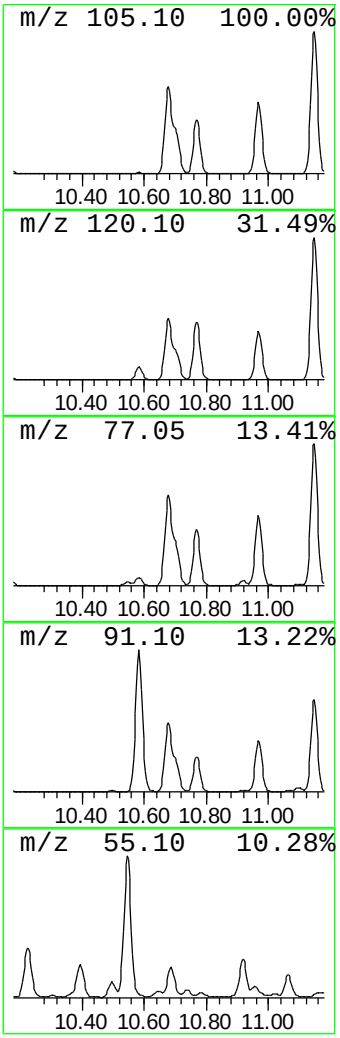
****

Peak Number 19 Benzene, 1-ethyl-2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	102.74 ug/L	7155900	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Mesitylene	120	C9H12	000108-67-8	91





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Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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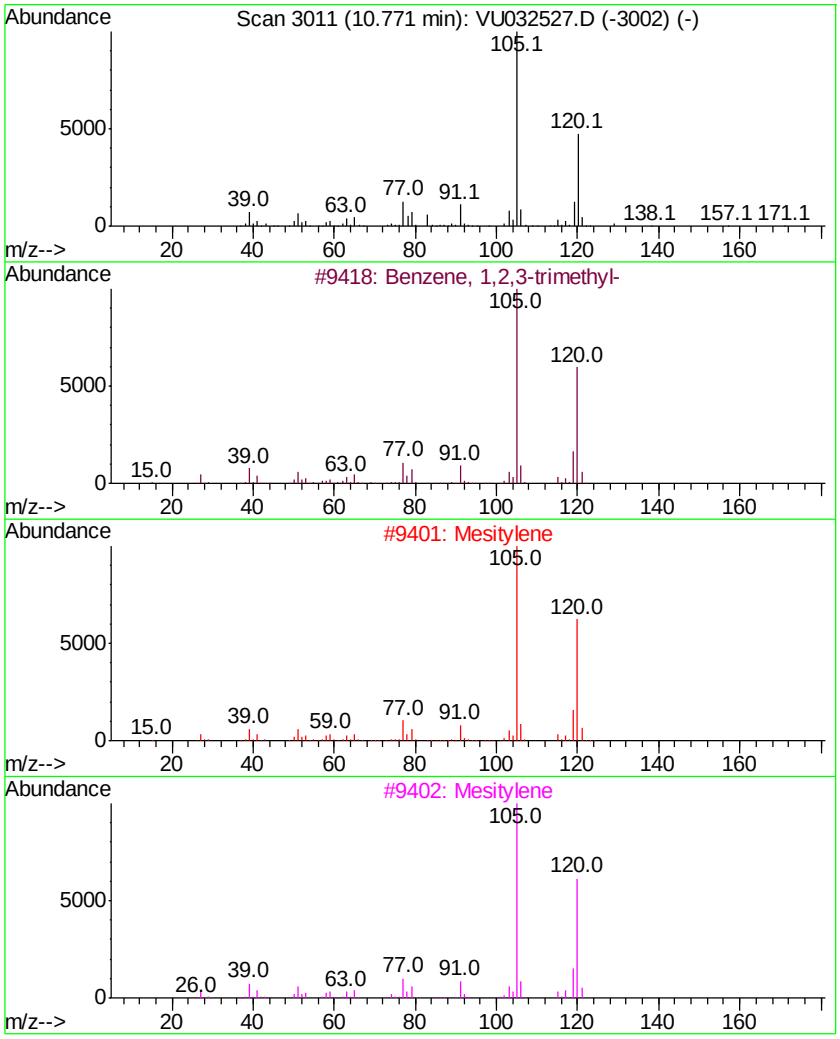
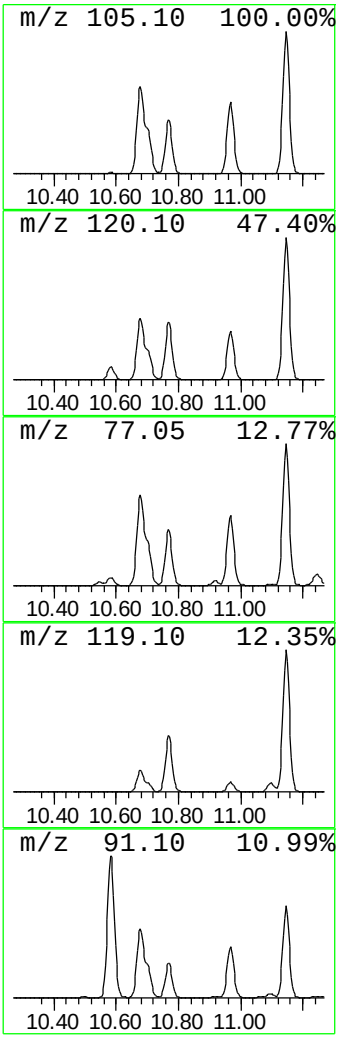
Peak Number 20 Benzene, 1,2,3-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	43.26 ug/L	3013310	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	Mesitylene	120	C9H12	000108-67-8	95
3	Mesitylene	120	C9H12	000108-67-8	95
4	Mesitylene	120	C9H12	000108-67-8	95
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95





Library Search Compound Report

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Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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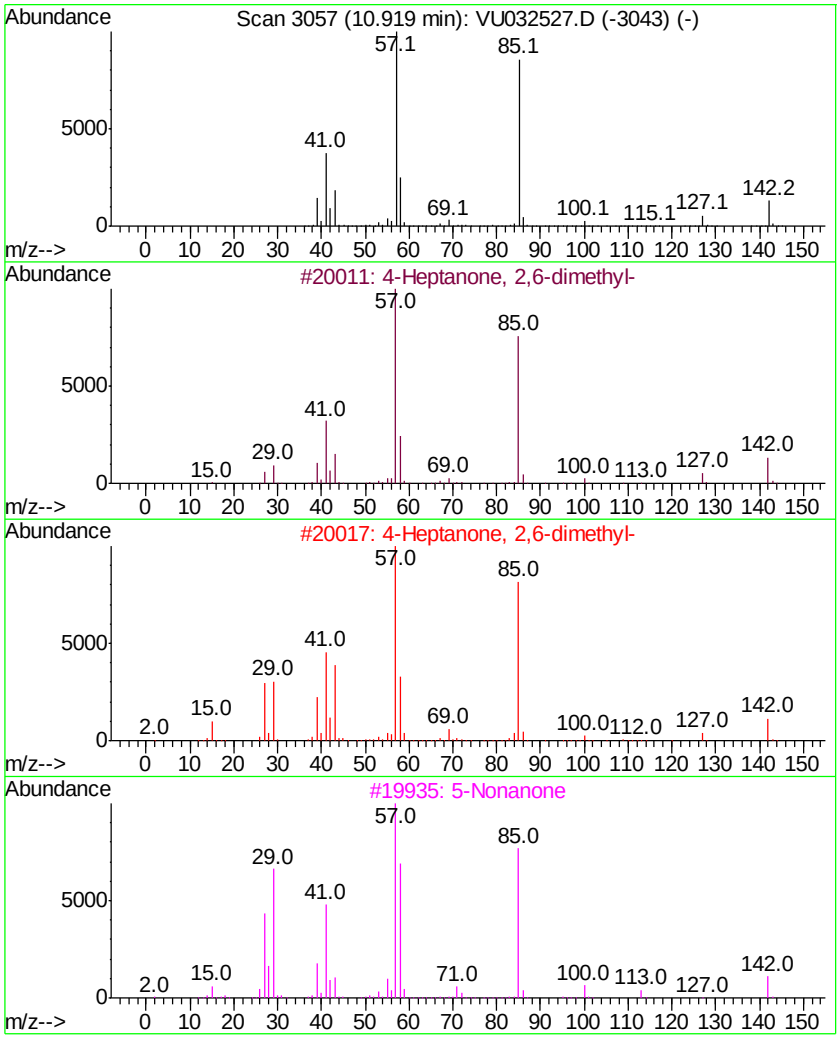
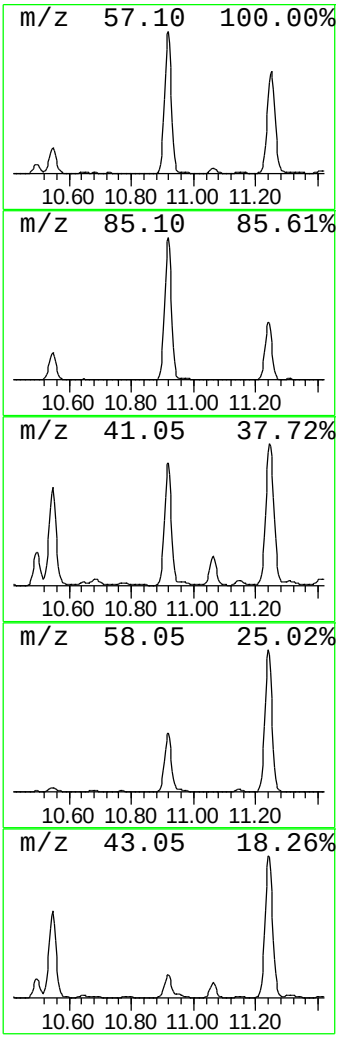
Peak Number 21 4-Heptanone, 2,6-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.92	249.86 ug/L	17403200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	94
2	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	91
3	5-Nonanone	142	C9H18O	000502-56-7	64
4	5-Nonanone	142	C9H18O	000502-56-7	64
5	t-Butyl isobutyl ketone	142	C9H18O	014705-50-1	59





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Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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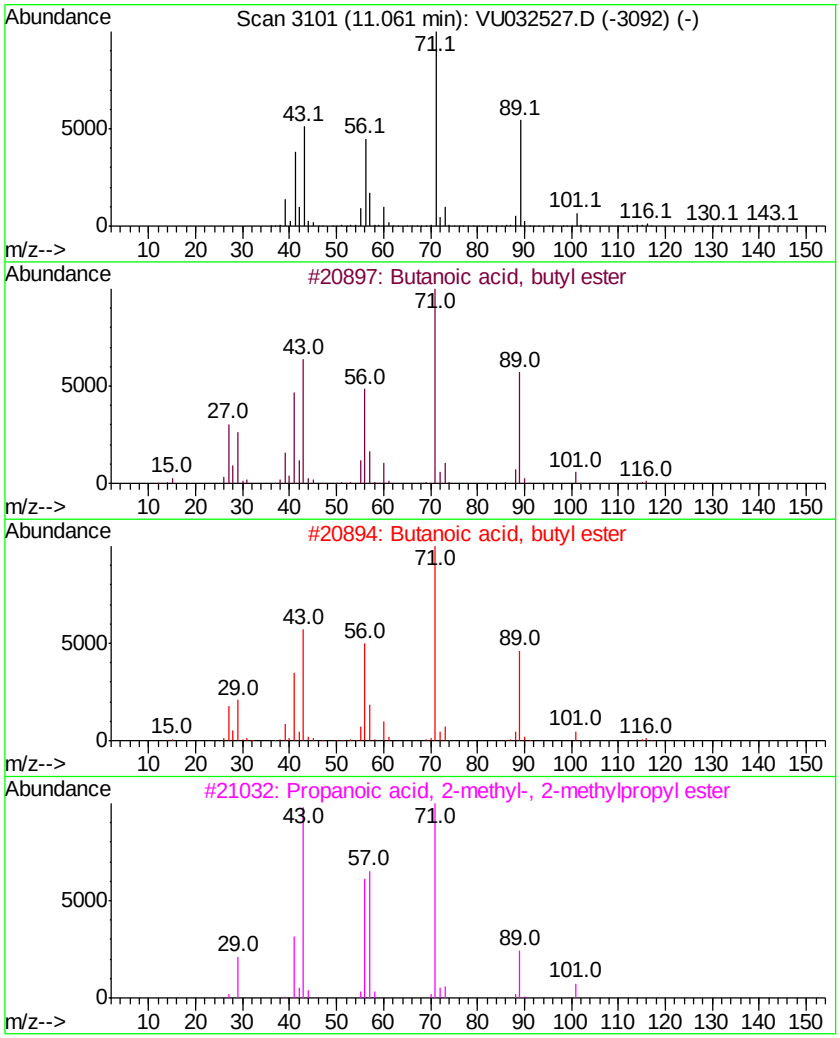
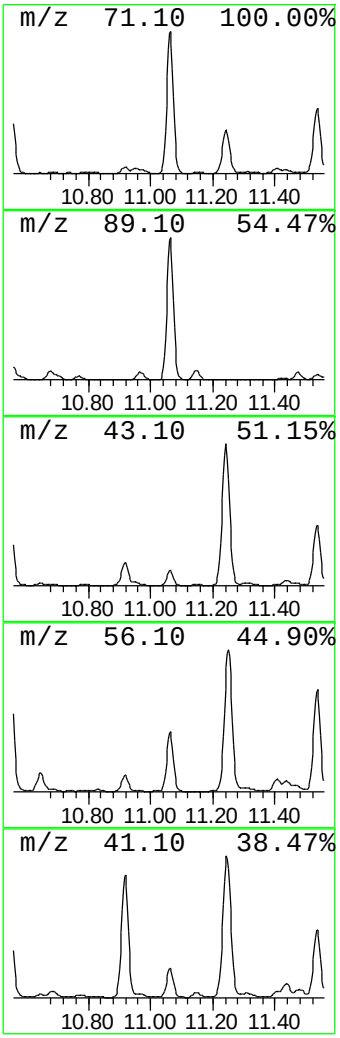
Peak Number 23 Butanoic acid, butyl ester Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	65.13 ug/L	4536090	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, butyl ester	144	C8H16O2	000109-21-7	90
2	Butanoic acid, butyl ester	144	C8H16O2	000109-21-7	90
3	Propanoic acid, 2-methyl-, 2-met...	144	C8H16O2	000097-85-8	72
4	Butanoic acid, octyl ester	200	C12H24O2	000110-39-4	72
5	Butanoic acid, octyl ester	200	C12H24O2	000110-39-4	72





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Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

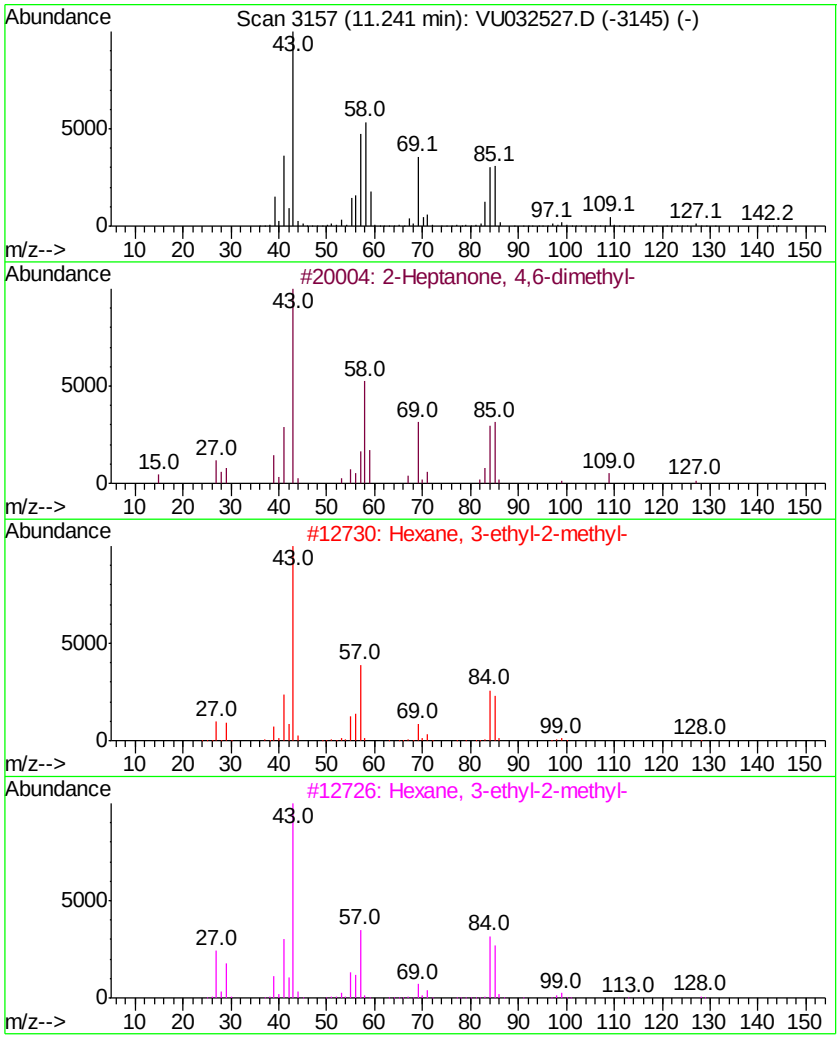
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

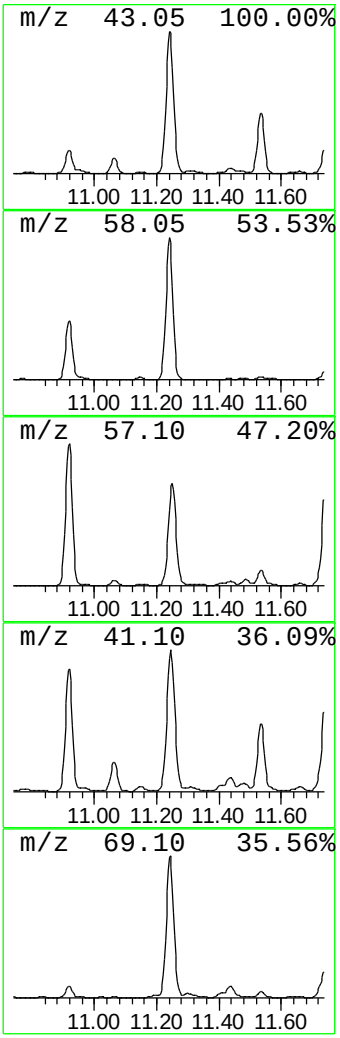
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 2-Heptanone, 4,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	439.20 ug/L	30590700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptanone, 4,6-dimethyl-	142	C9H18O	019549-80-5	59
2	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	47
3	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	47
4	1,3-Dioxane-2-propanol, 2-methyl-	160	C8H16O3	036651-31-7	45
5	Oxalic acid, isobutyl hexyl ester	230	C12H22O4	1000309-37-1	43





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Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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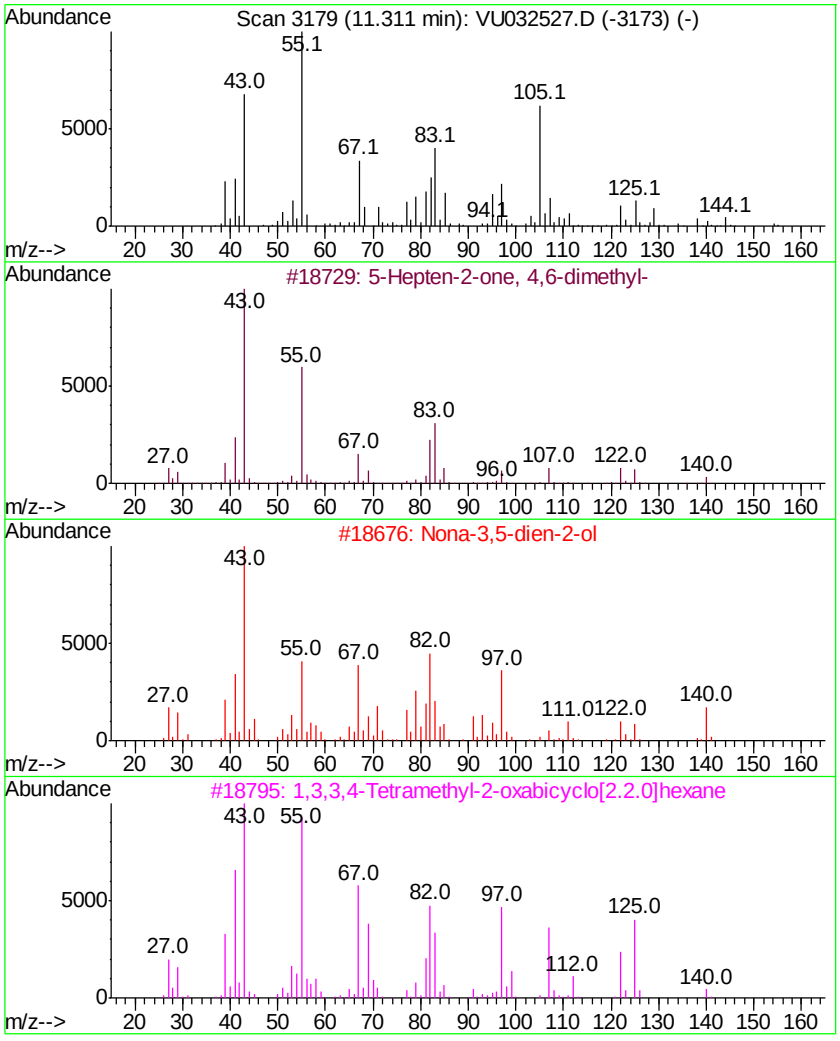
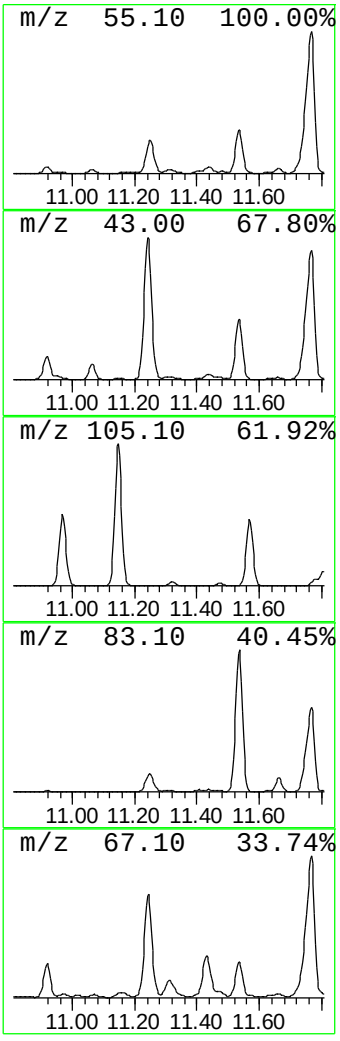
Peak Number 26 unknown-02 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	20.50 ug/L	1427720	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Hepten-2-one, 4,6-dimethyl-	140	C9H16O	031162-48-8	42
2	Nona-3,5-dien-2-ol	140	C9H16O	1000193-00-8	37
3	1,3,3,4-Tetramethyl-2-oxabicyclo...	140	C9H16O	074055-05-3	32
4	1-Cyclohexyl-1-propyne	122	C9H14	018736-95-3	32
5	3-Cyclohexyl-1-propyne	122	C9H14	1000342-45-9	32





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Sample : K3215-05
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

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Quant Title : VOC Analysis

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

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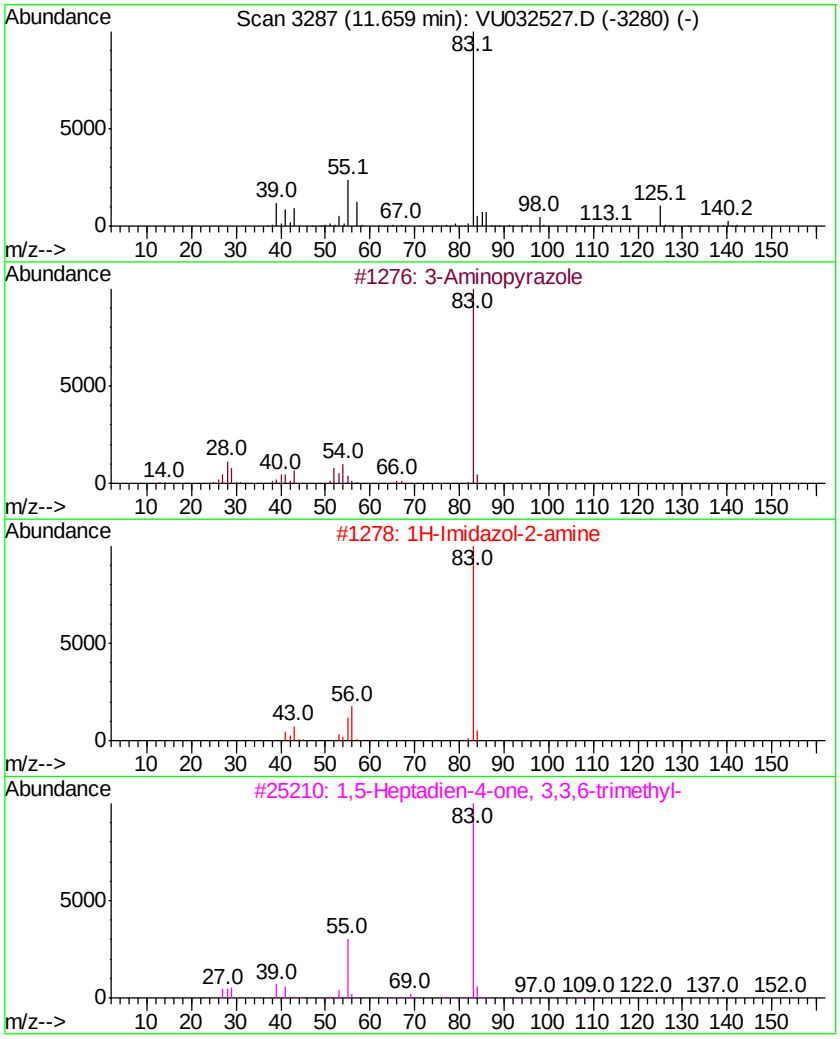
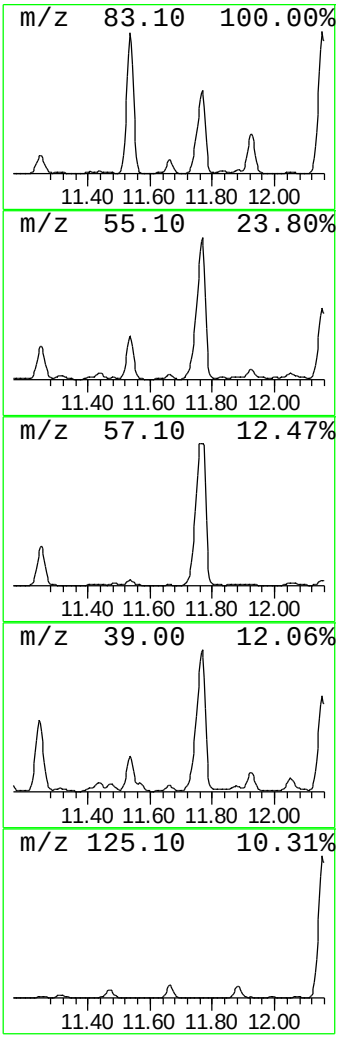
Peak Number 27 3-Aminopyrazole Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	19.75 ug/L	1375550	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Aminopyrazole	83	C3H5N3	001820-80-0	53
2	1H-Imidazol-2-amine	83	C3H5N3	007720-39-0	42
3	1,5-Heptadien-4-one, 3,3,6-trime...	152	C10H16O	000546-49-6	42
4	1H-1,2,4-Triazole, 3-(2-methylpr...	125	C6H11N3	040515-29-5	38
5	N,N'-Bis(2,6-dimethyl-6-nitrosoh...	338	C18H30N2O4	066737-12-0	33





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Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

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Quant Title : VOC Analysis

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

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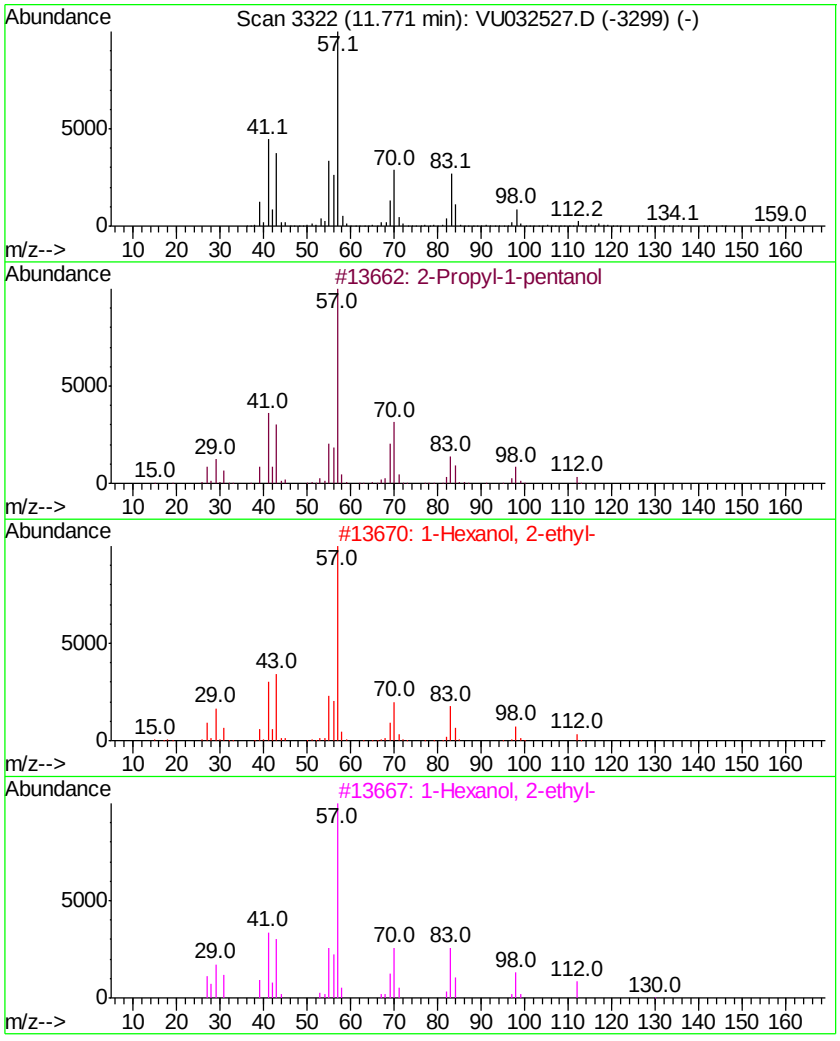
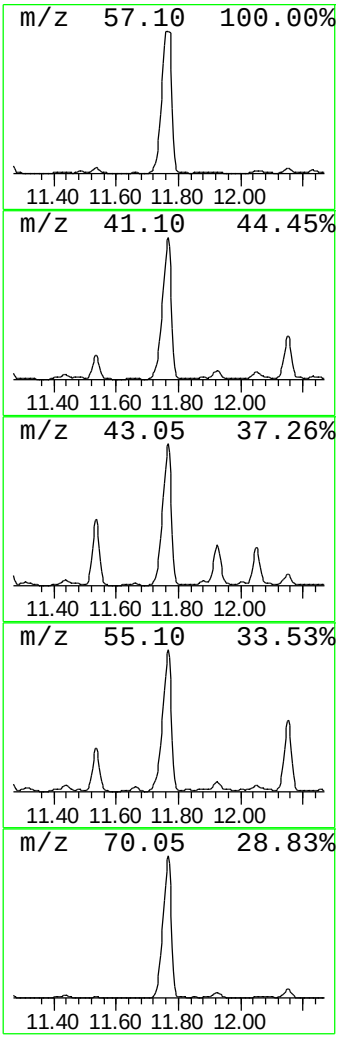
Peak Number 28 2-Propyl-1-pentanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	1081.77 ug/L	75346800	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	64
2	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
3	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	64
4	Carbonic acid, isobutyl 2-ethylh...	230	C13H26O3	1000357-82-9	59
5	2-Ethyl-1-hexanol, methyl ether	144	C9H20O	1000365-10-2	53





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Data File : VU032527.D
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Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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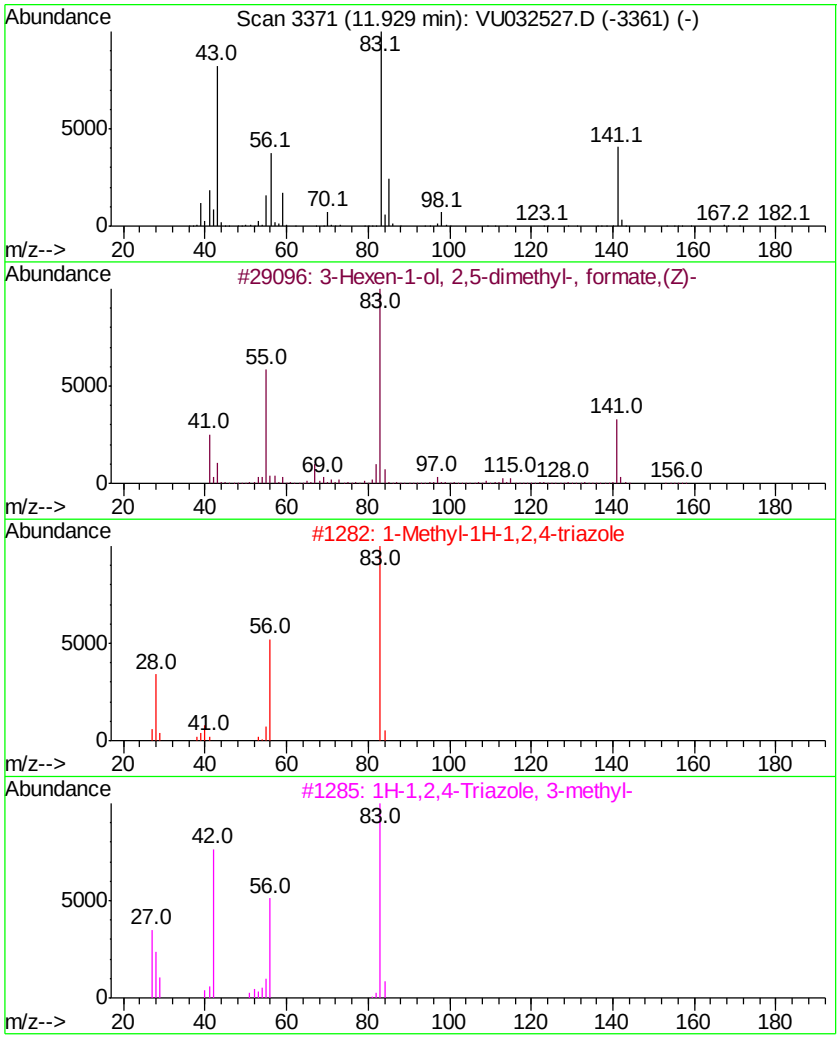
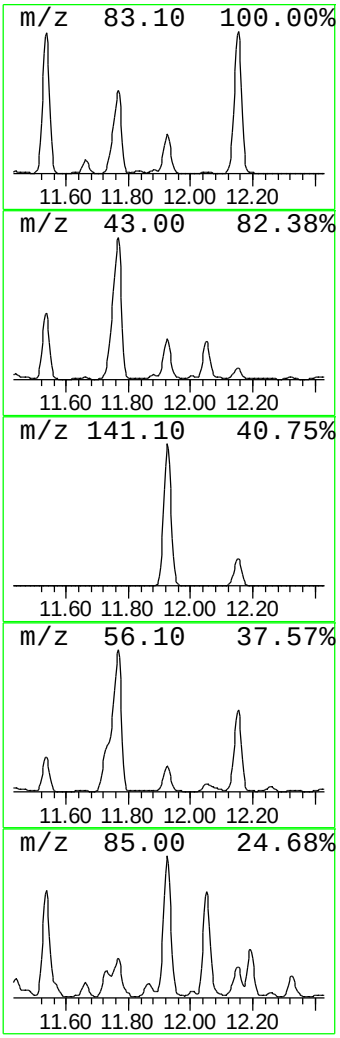
Peak Number 29 unknown-03 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	104.58 ug/L	7284200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexen-1-ol, 2,5-dimethyl-, for...	156	C9H16O2	1000132-12-3	38
2	1-Methyl-1H-1,2,4-triazole	83	C3H5N3	006086-21-1	32
3	1H-1,2,4-Triazole, 3-methyl-	83	C3H5N3	007170-01-6	32
4	2,4-Dimethylpentan-3-yl (E)-2-me...	198	C12H22O2	1000373-75-5	12
5	4(1H)-Pyrimidinone, 2-amino-6-hy...	141	C5H7N3O2	006627-65-2	9





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Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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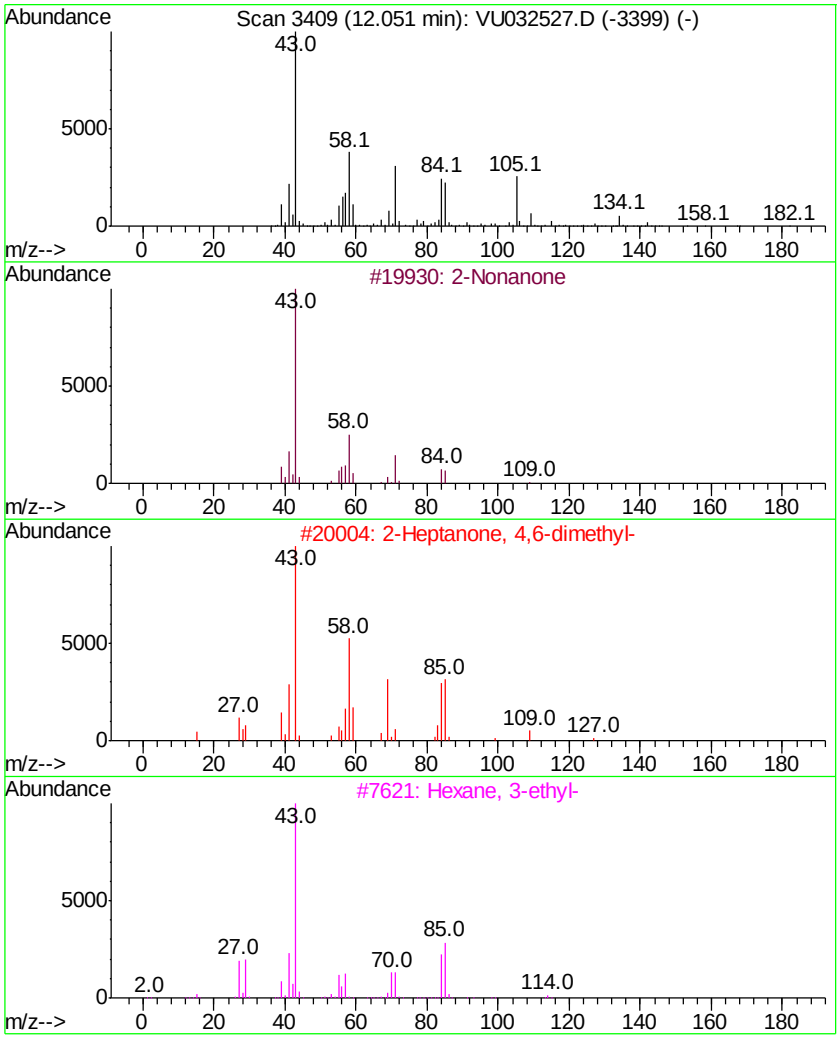
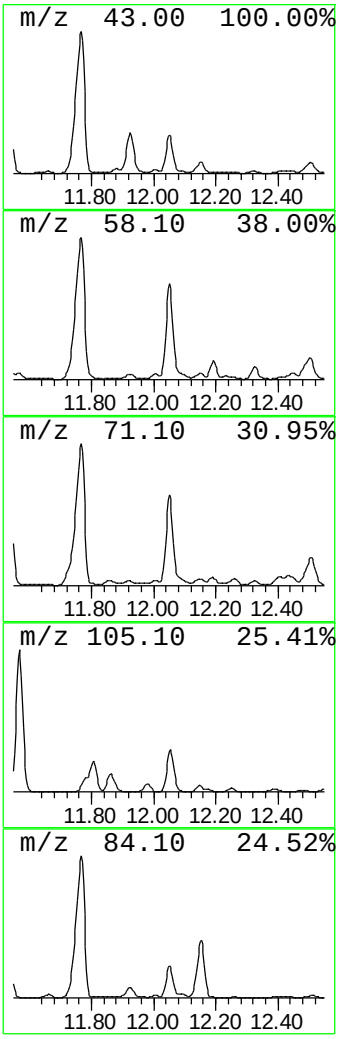
Peak Number 30 2-Nonanone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	94.38 ug/L	6573570	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Nonanone	142	C9H18O	000821-55-6	59
2	2-Heptanone, 4,6-dimethyl-	142	C9H18O	019549-80-5	50
3	Hexane, 3-ethyl-	114	C8H18	000619-99-8	38
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	35
5	Octane, 2-methyl-	128	C9H20	003221-61-2	35





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032527.D
Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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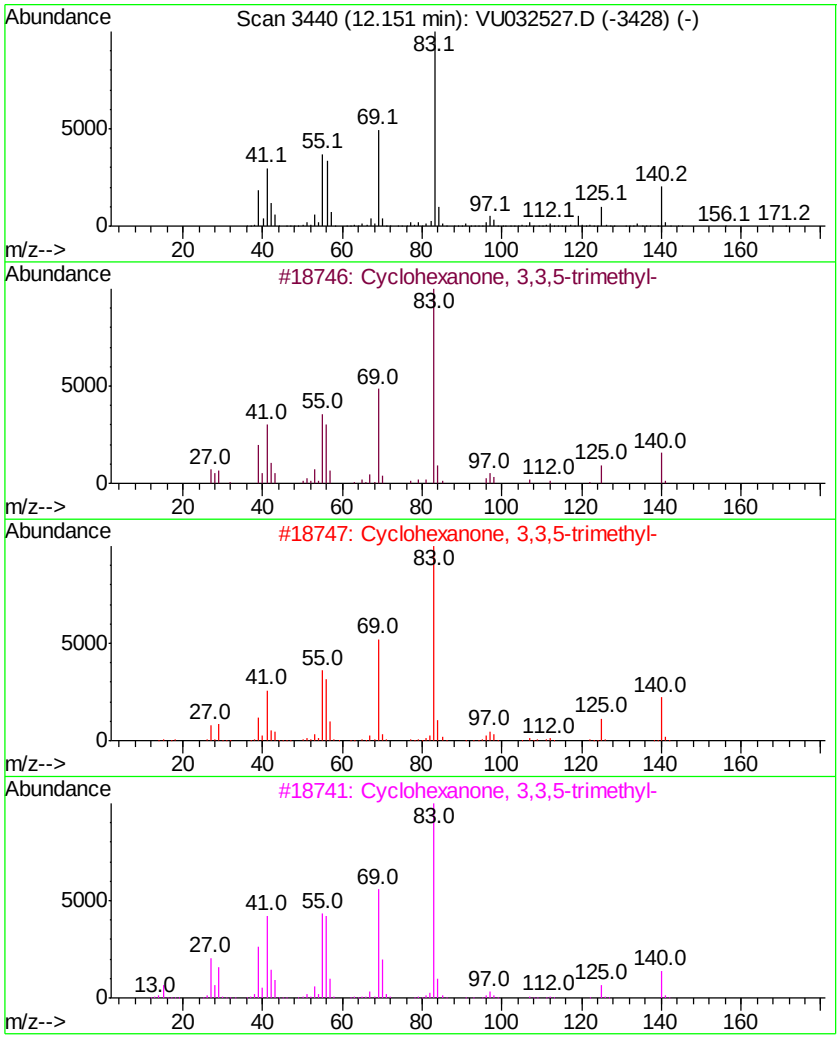
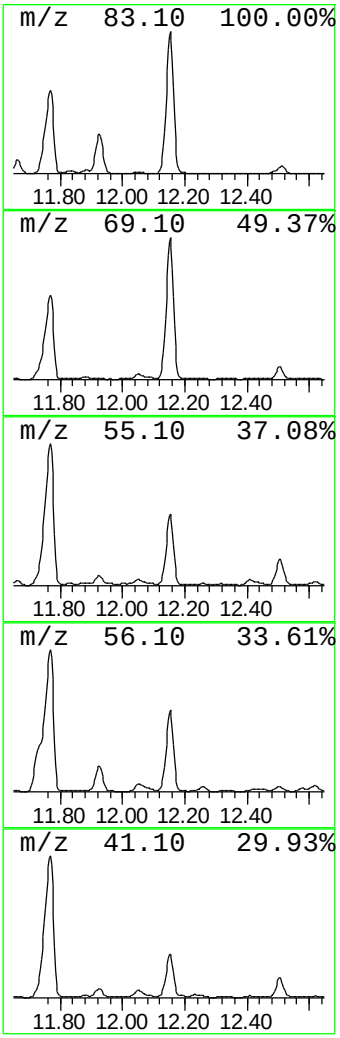
Peak Number 31 Cyclohexanone, 3,3,5-trimet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	396.32 ug/L	27604500	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	97
2	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	96
3	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	91
4	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	86
5	1H-1,2,4-Triazole, 3-(2-methylpr...	125	C6H11N3	040515-29-5	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032527.D
Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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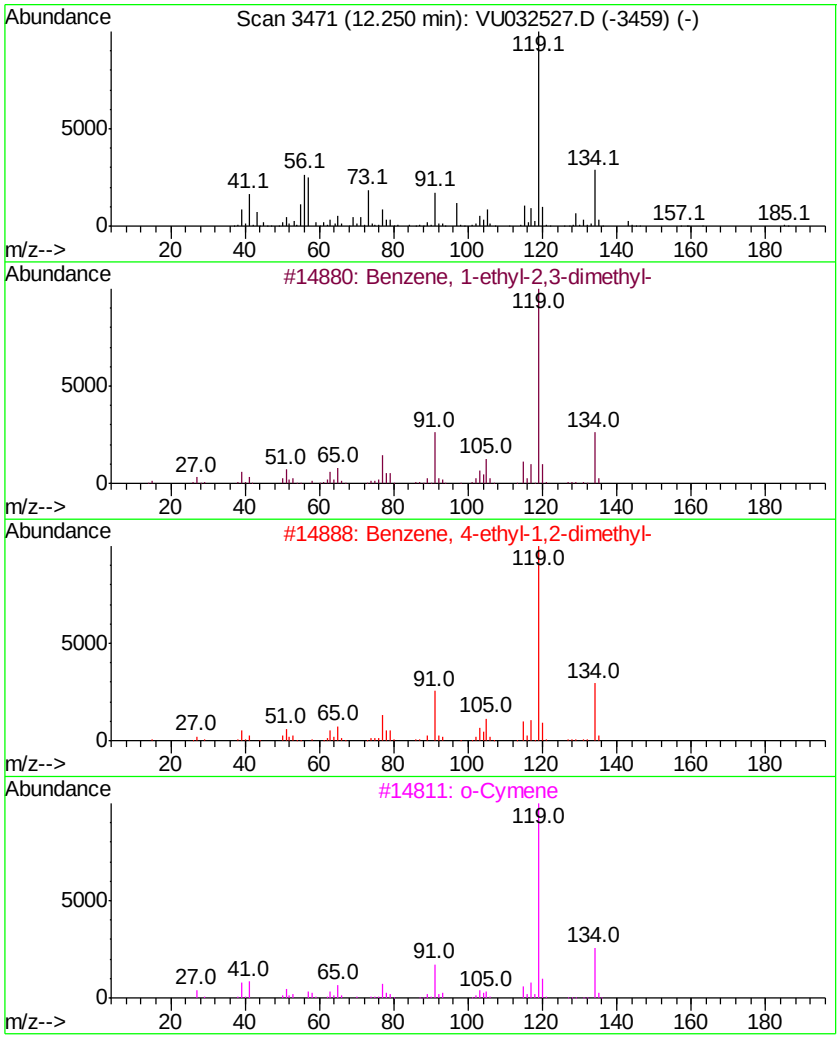
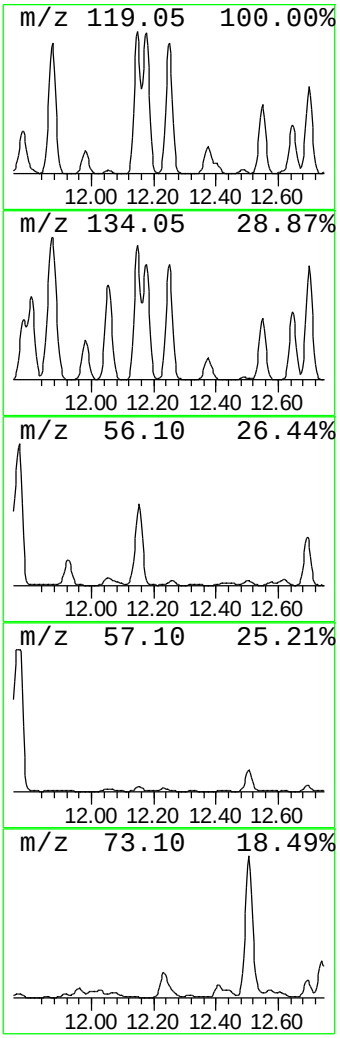
Peak Number 32 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	32.46 ug/L	2260830	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5	p-Cymene	134	C10H14	000099-87-6	92





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032527.D
Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

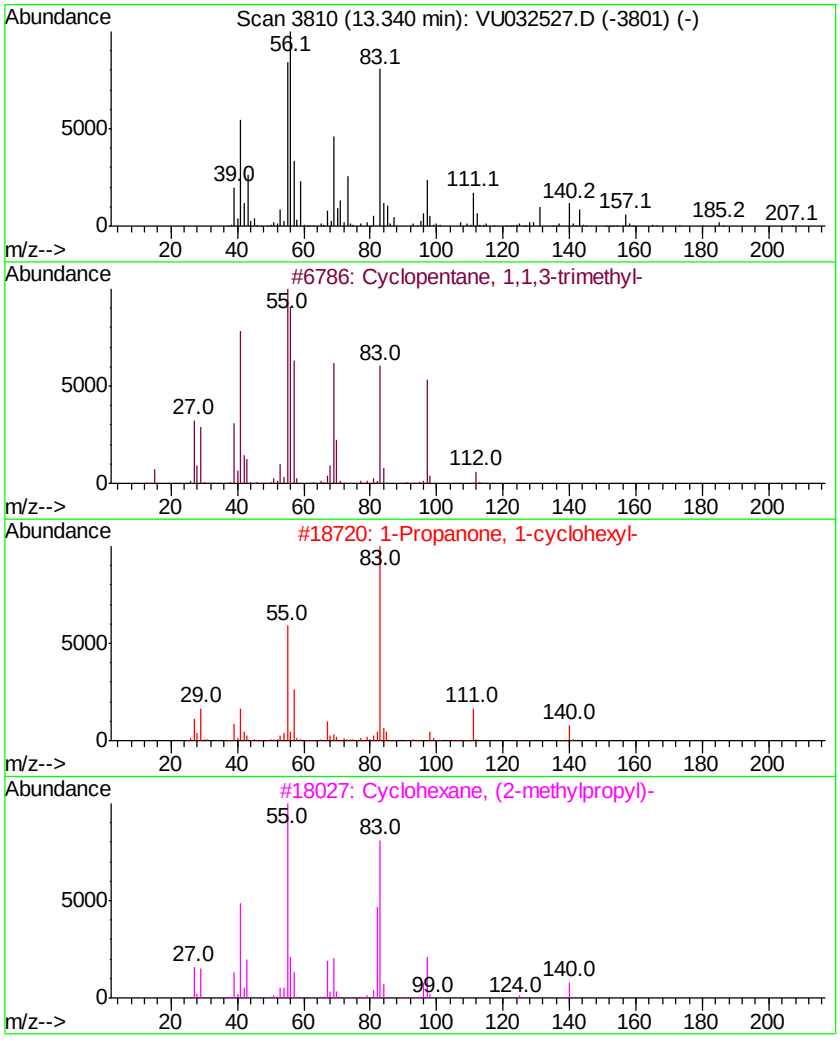
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

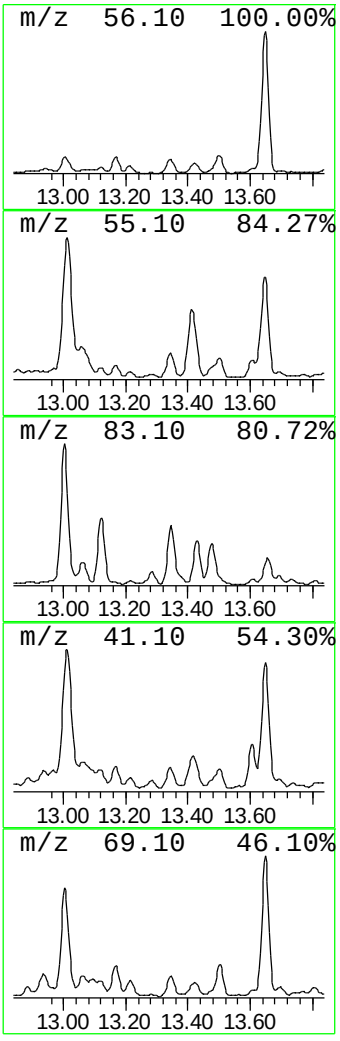
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 (DEL) Alkane: Cyclic13.34 Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.34	18.48 ug/L	1286960	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	38
2	1-Propanone, 1-cyclohexyl-	140	C9H16O	001123-86-0	38
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	38
4	2-Decene, (E)-	140	C10H20	020063-97-2	38
5	1-Octene, 2,6-dimethyl-	140	C10H20	006874-29-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032527.D
Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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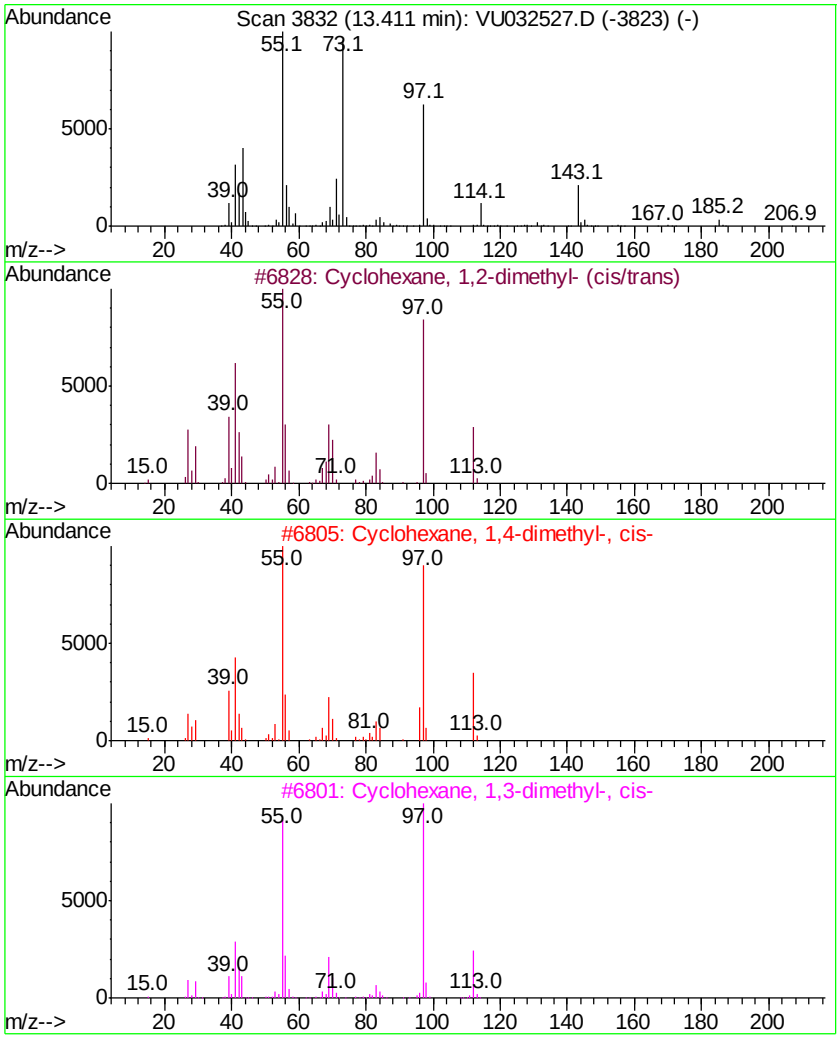
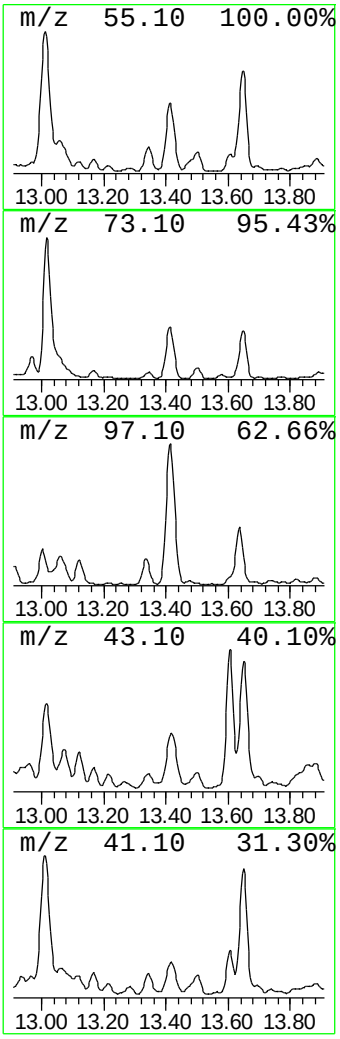
Peak Number 47 (DEL) Alkane: Cyclic13.41 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	38.51 ug/L	2682350	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	43
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	43
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	43
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	43
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032527.D
Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

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

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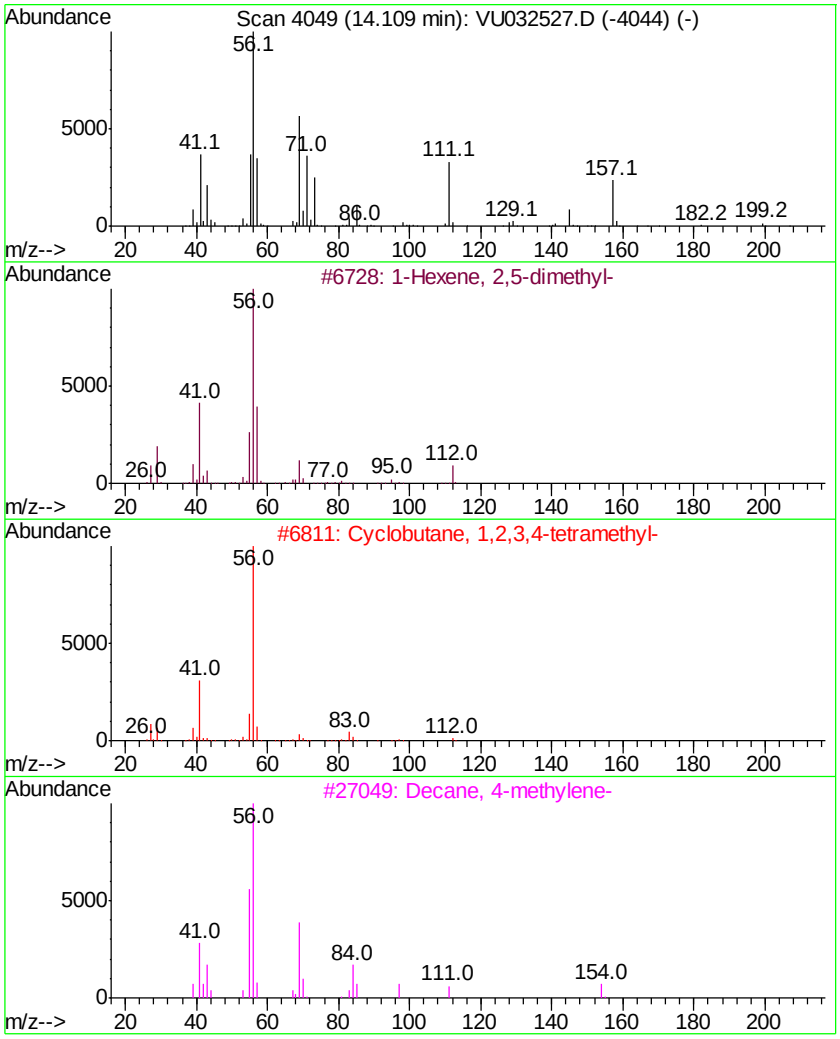
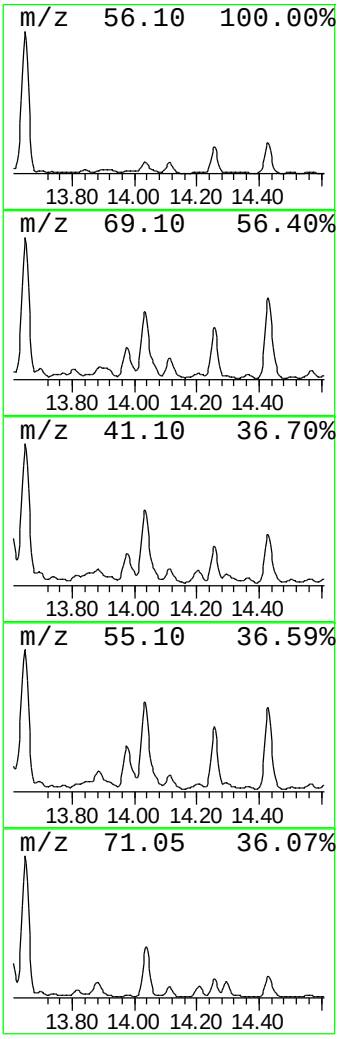
Peak Number 55 (DEL) Alkane: Cyclic14.11 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.11	10.82 ug/L	753727	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	35
2	Cyclobutane, 1,2,3,4-tetramethyl-	112	C8H16	069531-57-3	35
3	Decane, 4-methylene-	154	C11H22	024949-41-5	32
4	2-Pyrrolidinone, 1-ethenyl-	111	C6H9NO	000088-12-0	32
5	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	32





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032527.D
Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

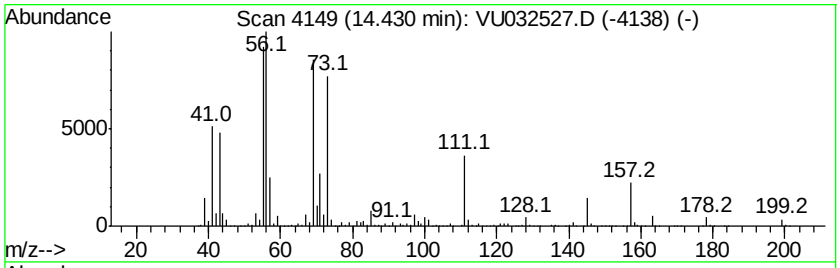
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis

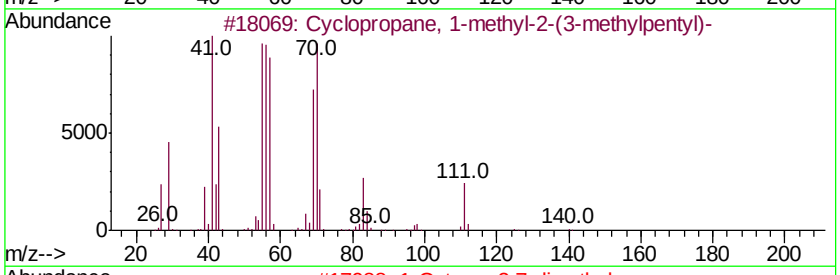
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

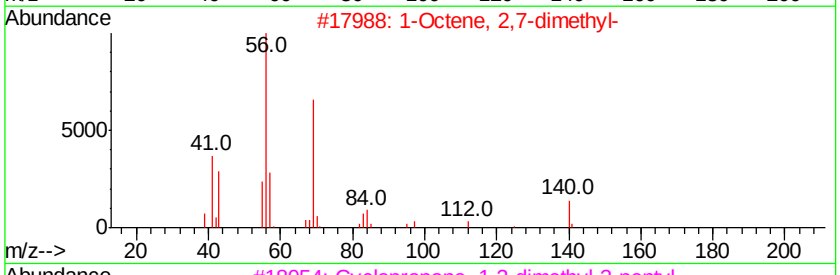
****
Peak Number 59 (DEL) Alkane: Cyclic14.43 Concentration Rank 25

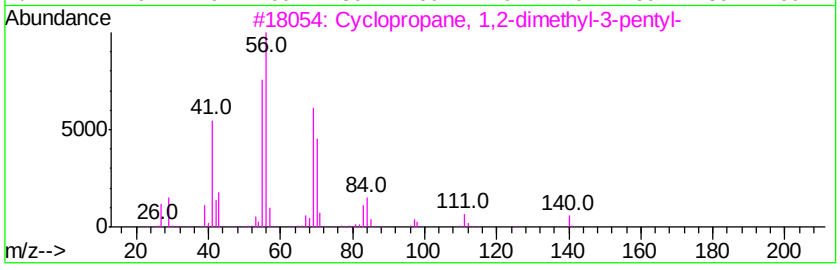
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	42.10 ug/L	2932570	1,4-Dichlorobenzene-d4	11.48

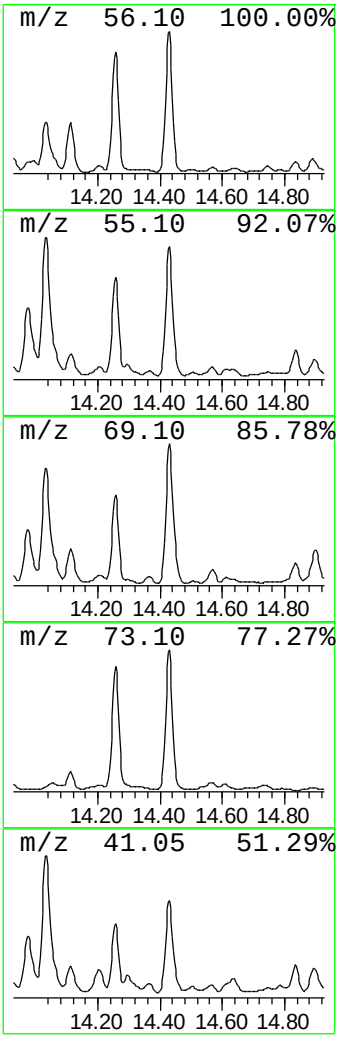
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-methyl-2-(3-meth...	140	C10H20	062238-07-7	45
2	1-Octene, 2,7-dimethyl-	140	C10H20	033718-03-5	43
3	Cyclopropane, 1,2-dimethyl-3-pen...	140	C10H20	062238-05-5	40
4	Hexyl trifluoroacetate	198	C8H13F3O2	000400-61-3	40
5	Neopentyl glycol	104	C5H12O2	000126-30-7	35











Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032527.D
Acq On : 07 Jun 2019 03:39
Operator : JC/SP
Sample : K3215-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8H9

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.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
Propanal, 2-methyl-	3.18	135.8	ug/L	1529210	1	5.88	563208	50.0
Butanal	3.98	1053.6	ug/L	11867900	1	5.88	563208	50.0
2-Pentanone	5.77	31.8	ug/L	358169	1	5.88	563208	50.0
3-Pentanone	6.57	32.3	ug/L	363921	1	5.88	563208	50.0
2-Hexanol	7.90	22.7	ug/L	1791010	2	9.08	3952140	50.0
3-Penten-2-one, 4...	8.48	135.4	ug/L	10706200	2	9.08	3952140	50.0
1-Pentanol, 2-met...	9.17	14.9	ug/L	1180190	2	9.08	3952140	50.0
1-Butanol, 2-ethyl-	9.30	127.9	ug/L	10112600	2	9.08	3952140	50.0
2-Hexanone, 5-met...	9.46	33.7	ug/L	2663750	2	9.08	3952140	50.0
3-Hexanol, 2-methyl-	9.54	15.0	ug/L	1186630	2	9.08	3952140	50.0
4-Heptanone	9.60	32.3	ug/L	2549710	2	9.08	3952140	50.0
2-Heptanone	9.91	64.2	ug/L	5076280	2	9.08	3952140	50.0
unknown-01	9.98	16.2	ug/L	1281440	2	9.08	3952140	50.0
Oxalic acid, isoh...	10.02	42.0	ug/L	3319410	2	9.08	3952140	50.0
Cyclohexanone	10.22	15.0	ug/L	1186720	2	9.08	3952140	50.0
4-Heptanone, 3-me...	10.37	10.5	ug/L	734272	3	11.48	3482580	50.0
Propanoic acid, 2...	10.49	56.2	ug/L	3916340	3	11.48	3482580	50.0
1-Pentanol, 2-ethyl-	10.55	217.5	ug/L	15152200	3	11.48	3482580	50.0
Benzene, 1-ethyl-...	10.68	102.7	ug/L	7155900	3	11.48	3482580	50.0
Benzene, 1,2,3-tr...	10.77	43.3	ug/L	3013310	3	11.48	3482580	50.0
4-Heptanone, 2,6-...	10.92	249.9	ug/L	17403200	3	11.48	3482580	50.0
Butanoic acid, bu...	11.06	65.1	ug/L	4536090	3	11.48	3482580	50.0
2-Heptanone, 4,6-...	11.24	439.2	ug/L	30590700	3	11.48	3482580	50.0
unknown-02	11.31	20.5	ug/L	1427720	3	11.48	3482580	50.0
3-Aminopyrazole	11.66	19.8	ug/L	1375550	3	11.48	3482580	50.0
2-Propyl-1-pentanol	11.77	1081.8	ug/L	75346800	3	11.48	3482580	50.0
unknown-03	11.93	104.6	ug/L	7284200	3	11.48	3482580	50.0
2-Nonanone	12.05	94.4	ug/L	6573570	3	11.48	3482580	50.0
Cyclohexanone, 3,...	12.15	396.3	ug/L	27604500	3	11.48	3482580	50.0
Benzene, 1-ethyl-...	12.25	32.5	ug/L	2260830	3	11.48	3482580	50.0
(DEL) Alkane: Cyc...	13.34	18.5	ug/L	1286960	3	11.48	3482580	50.0
(DEL) Alkane: Cyc...	13.41	38.5	ug/L	2682350	3	11.48	3482580	50.0
(DEL) Alkane: Cyc...	14.11	10.8	ug/L	753727	3	11.48	3482580	50.0
(DEL) Alkane: Cyc...	14.43	42.1	ug/L	2932570	3	11.48	3482580	50.0