LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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	1.180	23	28	35	rBV4	6195	6892	0.12%	0.021%
2	1.392	87	94	105	rBV	72694	89824	1.60%	0.274%
3	1.672	175	181	196	rVB	59914	74565	1.33%	0.228%
4	2.267	352	366	375	rVV2	121491	195339	3.47%	0.596%
5	2.318	376	382	398	rVB	17427	27943	0.50%	0.085%
6	2.444	409	421	439	rBV2	20524	39427	0.70%	0.120%
7	2.823	531	539	555	rVB4	5908	12781	0.23%	0.039%
8	2.977	578	587	598	rBV4	2351	4319	0.08%	0.013%
9	3.180	638	650	668	rVV	28050	61304	1.09%	0.187%
10	3.440	719	731	745	rBV3	4271	9456	0.17%	0.029%
11	3.752	819	828	832	rVB2	389	506	0.01%	0.002%
12	3.977	884	898	924	rBV	173720	441055	7.84%	1.347%
13	4.167	946	957	999	rVB	83445	244545	4.35%	0.747%
14	4.640	1088	1104	1132	rVV	109754	258682	4.60%	0.790%
15	4.987	1200	1212	1220	rBV5	2025	4000	0.07%	0.012%
16	5.331	1297	1319	1333	rBV2	219220	658788	11.71%	2.012%
17	5.611	1396	1406	1407	rBV4	630	836	0.01%	0.003%
18	5.784	1448	1460	1477	rBV2	11230	26018	0.46%	0.079%
19	5.881	1477	1490	1523	rVB	238506	471908	8.39%	1.441%
20	6.177	1574	1582	1592	rVB8	2662	4904	0.09%	0.015%
21	6.325	1614	1628	1645	rBV	150118	301983	5.37%	0.922%
22	6.505	1676	1684	1691	rBV5	1772	2841	0.05%	0.009%
23	6.588	1704	1710	1717	rVB3	1124	1791	0.03%	0.005%
24	6.823	1778	1783	1792	rVV6	584	910	0.02%	0.003%
25	7.045	1847	1852	1859	rVB4	452	628	0.01%	0.002%
26	7.222	1895	1907	1930	rBV	82851	151269	2.69%	0.462%
27	7.370	1947	1953	1964	rVB5	1531	2766	0.05%	0.008%
28	7.460	1971	1981	1993	rBV	17616	32690	0.58%	0.100%
29	7.559	2001	2012	2025	rBV	303830	528618	9.40%	1.614%
30	7.633	2026	2035	2050	rVB	132978	230927	4.10%	0.705%
31	7.845	2091	2101	2116	rBV	54987	95667	1.70%	0.292%
32	8.022	2149	2156	2157	rBV5	966	724	0.01%	0.002%
33	8.161	2191	2199	2211	rBV5	2289	4573	0.08%	0.014%
34	8.228	2211	2220	2231	rBV2	17776	29061	0.52%	0.089%

LSC Area Percent Report

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Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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

35	8.305	2232	2244	2287	rVV	712634	1218198	21.65%	3.720%
36	8.669	2351	2357	2366	rVB5	1644	2185	0.04%	0.007%
37	8.945	2437	2443	2450	rBV4	1583	2336	0.04%	0.007%
38	9.045	2460	2474	2479	rBV	115466	197031	3.50%	0.602%
39	9.083	2479	2486	2506	rVB	351160	602154	10.70%	1.839%
40	9.247	2526	2537	2547	rBV	59571	99400	1.77%	0.304%
41	9.366	2561	2574	2590	rBV	215912	401840	7.14%	1.227%
42	9.456	2597	2602	2620	rVB	26363	43731	0.78%	0.134%
43	9.559	2620	2634	2638	rVV5	22622	50000	0.89%	0.153%
44	9.598	2639	2646	2672	rVB	100327	164888	2.93%	0.503%
45	9.775	2689	2701	2707	rBV	156279	258079	4.59%	0.788%
46	9.810	2707	2712	2729	rVB	120916	181606	3.23%	0.555%
47	9.894	2732	2738	2743	rBV	10445	14585	0.26%	0.045%
48	9.977	2758	2764	2777	rVB3	13329	21927	0.39%	0.067%
49	10.160	2812	2821	2834	rBV	32822	50779	0.90%	0.155%
50	10.231	2837	2843	2853	rVB5	2550	3675	0.07%	0.011%
51	10.299	2854	2864	2874	rBV9	7573	14734	0.26%	0.045%
52	10.363	2874	2884	2894	rBV	105236	174221	3.10%	0.532%
53	10.427	2895	2904	2919	rVB	244983	393071	6.99%	1.200%
54	10.582	2936	2952	2963	rBV	60962	103199	1.83%	0.315%
55	10.678	2964	2982	3000	rVV	279385	696778	12.39%	2.128%
56	10.768	3000	3010	3023	rVV	237303	392167	6.97%	1.197%
57	10.839	3024	3032	3043	rVB7	28180	52279	0.93%	0.160%
58	10.913	3043	3055	3064	rBV	563113	862394	15.33%	2.633%
59	10.967	3064	3072	3093	rVB	266957	435834	7.75%	1.331%
60	11.064	3094	3102	3107	rBV6	10359	16365	0.29%	0.050%
61	11.141	3116	3126	3142	rVB	495675	756858	13.45%	2.311%
62	11.234	3143	3155	3167	rBV	682496	1043396	18.55%	3.186%
63	11.318	3172	3181	3198	rVB	263514	451006	8.02%	1.377%
64	11.424	3198	3214	3218	rBV6	106472	251430	4.47%	0.768%
65	11.472	3219	3229	3240	rVV	3662970	5625900	100.00%	17.178%
66	11.527	3241	3246	3252	rVV	164018	249150	4.43%	0.761%
67	11.566	3253	3258	3272	rVB	176742	257160	4.57%	0.785%
68	11.659	3281	3287	3298	rVB3	27091	38734	0.69%	0.118%
69	11.723	3299	3307	3313	rBV2	100811	144562	2.57%	0.441%
70	11.855	3338	3348	3360	rBV2	401514	720427	12.81%	2.200%
71	11.916	3360	3367	3378	rVB	156395	244502	4.35%	0.747%

LSC Area Percent Report

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Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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

72	11.977	3378	3386	3394	rBV2	27307	47376	0.84%	0.145%
73	12.048	3398	3408	3424	rVB2	155223	280309	4.98%	0.856%
74	12.141	3425	3437	3461	rBV	1486071	2580677	45.87%	7.880%
75	12.247	3463	3470	3485	rVB2	83588	145570	2.59%	0.444%
76	12.321	3486	3493	3498	rBV2	34648	50557	0.90%	0.154%
77	12.488	3537	3545	3548	rBV3	59058	85615	1.52%	0.261%
78	12.620	3575	3586	3591	rBV5	39682	83101	1.48%	0.254%
79	12.691	3600	3608	3622	rVB2	273923	469365	8.34%	1.433%
80	12.781	3623	3636	3654	rVV	208661	378832	6.73%	1.157%
81	13.000	3697	3704	3714	rBV3	101330	162424	2.89%	0.496%
82	13.070	3715	3726	3737	rBV	2865770	4353351	77.38%	13.292%
83	13.176	3750	3759	3782	rVB	421454	742046	13.19%	2.266%
84	13.283	3786	3792	3802	rVB4	41647	63371	1.13%	0.193%
85	13.604	3883	3892	3897	rBV	185170	268996	4.78%	0.821%
86	13.646	3898	3905	3925	rVV2	478874	886583	15.76%	2.707%
87	13.739	3926	3934	3951	rVB	124909	236605	4.21%	0.722%
88	13.977	4000	4008	4018	rBV2	83951	149664	2.66%	0.457%
89	14.035	4019	4026	4043	rVB6	129531	290387	5.16%	0.887%
90	14.199	4070	4077	4086	rVB4	56532	89686	1.59%	0.274%
91	14.254	4086	4094	4103	rVB2	84467	123667	2.20%	0.378%
92	14.427	4139	4148	4165	rBV2	167880	288989	5.14%	0.882%
93	14.610	4199	4205	4217	rBV3	24381	36924	0.66%	0.113%
94	14.835	4269	4275	4280	rBV2	47301	69198	1.23%	0.211%
95	14.874	4282	4287	4315	rVB	98220	203752	3.62%	0.622%
96	15.057	4336	4344	4377	rVB3	117904	275650	4.90%	0.842%
97	15.308	4415	4422	4427	rBV	13134	19721	0.35%	0.060%
98	15.755	4555	4561	4570	rBV4	17748	25443	0.45%	0.078%
99	16.054	4641	4654	4661	rBV4	31573	67602	1.20%	0.206%
100	16.675	4840	4847	4857	rVB4	13007	21118	0.38%	0.064%

Sum of corrected areas: 32750700

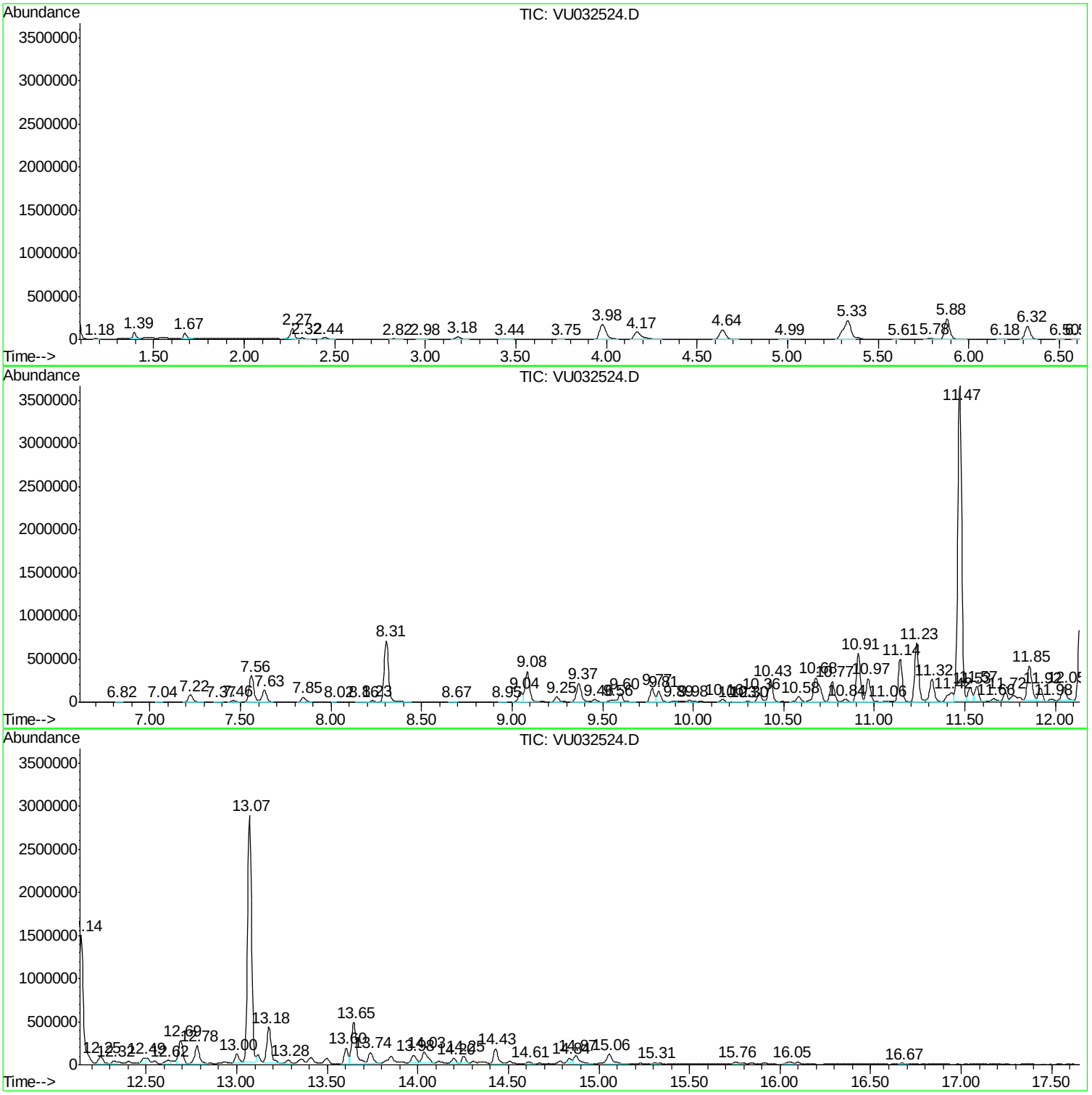
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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

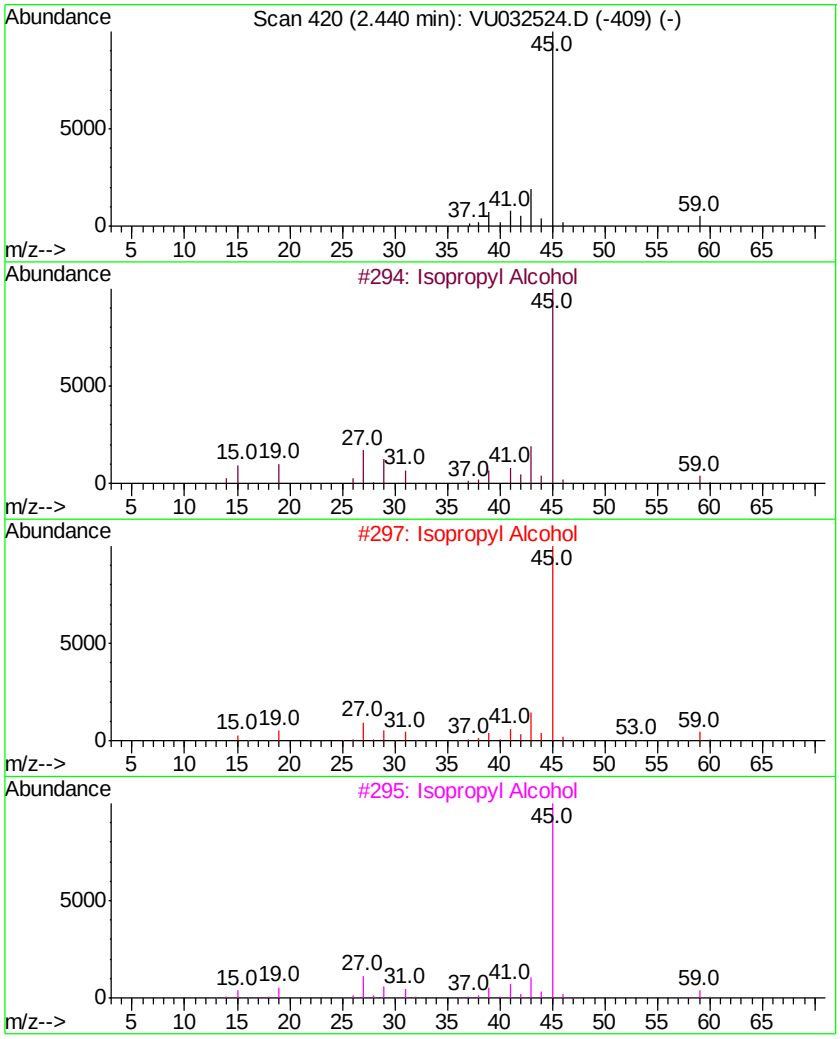
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

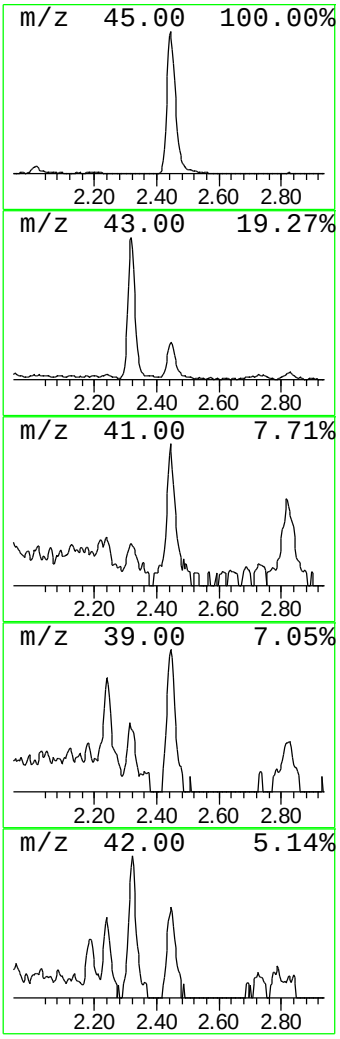
****

Peak Number 1 Isopropyl Alcohol Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.44	4.18 ug/L	39427	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropyl Alcohol	60	C3H8O	000067-63-0	74
2	Isopropyl Alcohol	60	C3H8O	000067-63-0	64
3	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	9
5	Ethylamine	45	C2H7N	000075-04-7	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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

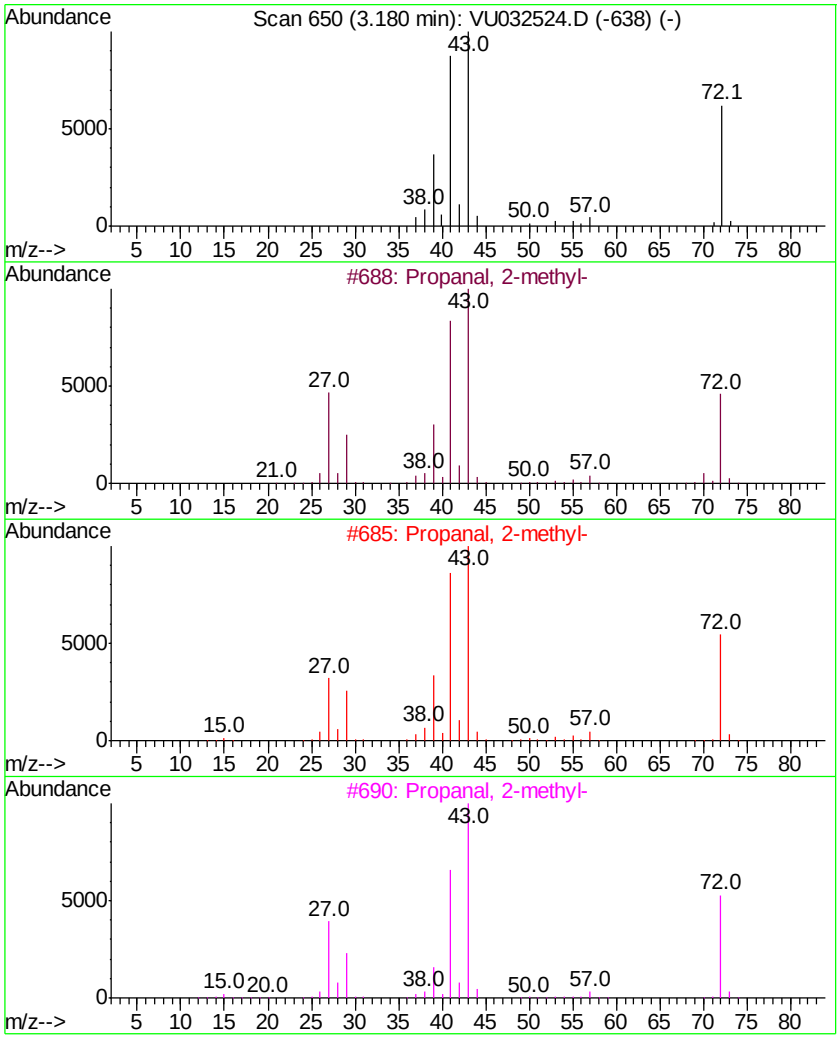
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

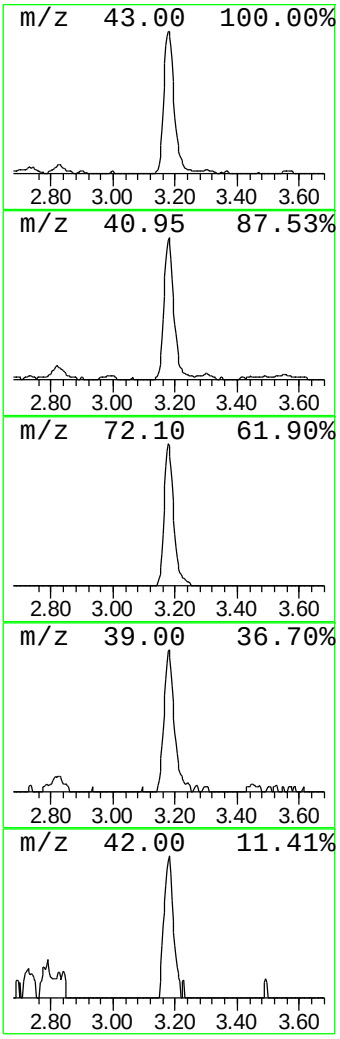
****

Peak Number 2 Propanal, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	6.50 ug/L	61304	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	72
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	43
5	Isobutylene epoxide	72	C4H8O	000558-30-5	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
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Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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

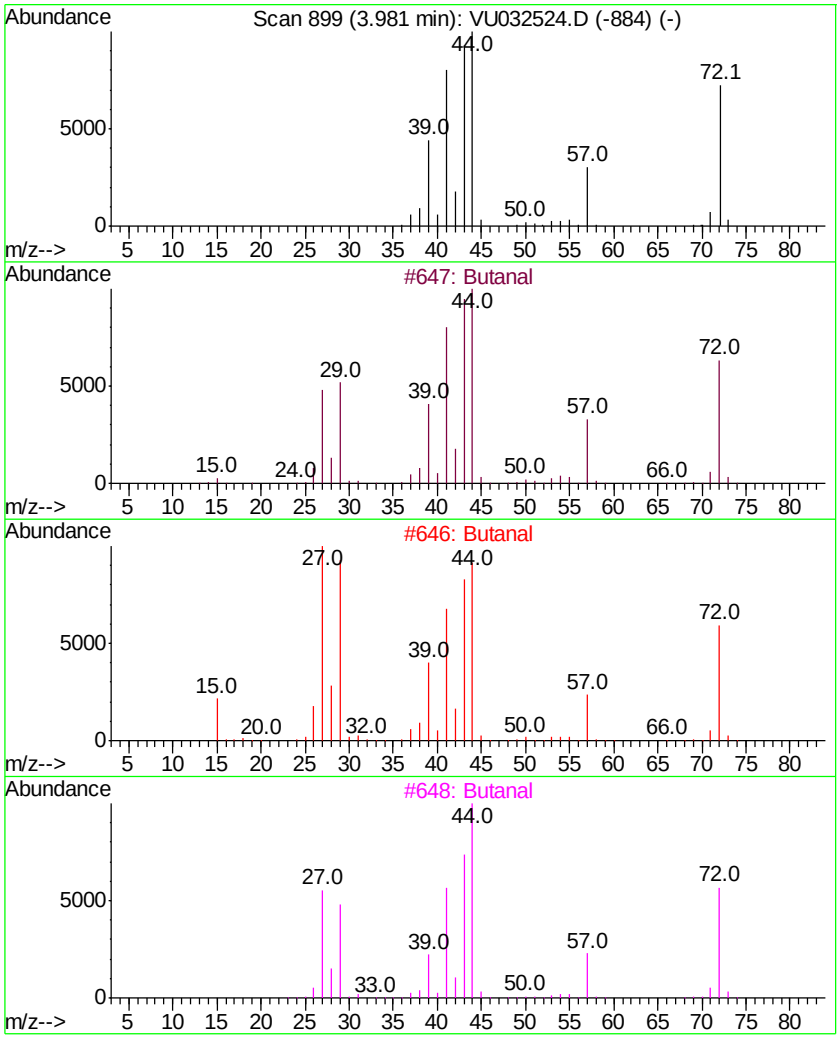
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

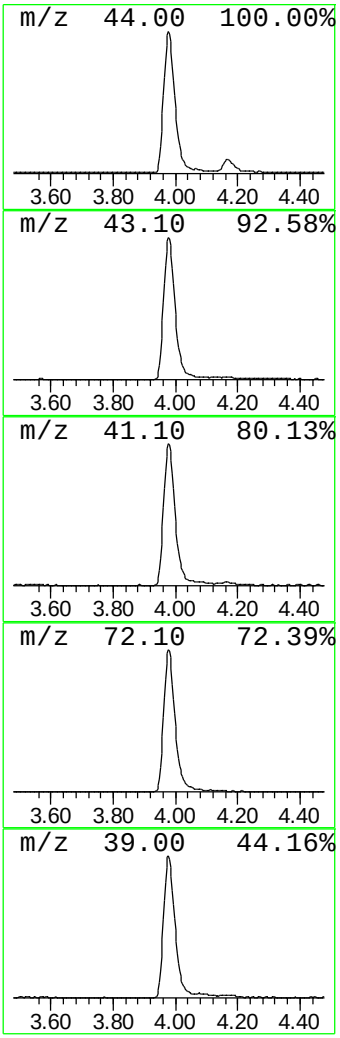
****

Peak Number 3 Butanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.98	46.73 ug/L	441055	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	72
4	Butanal	72	C4H8O	000123-72-8	59
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	52





Library Search Compound Report

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Sample : K3215-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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

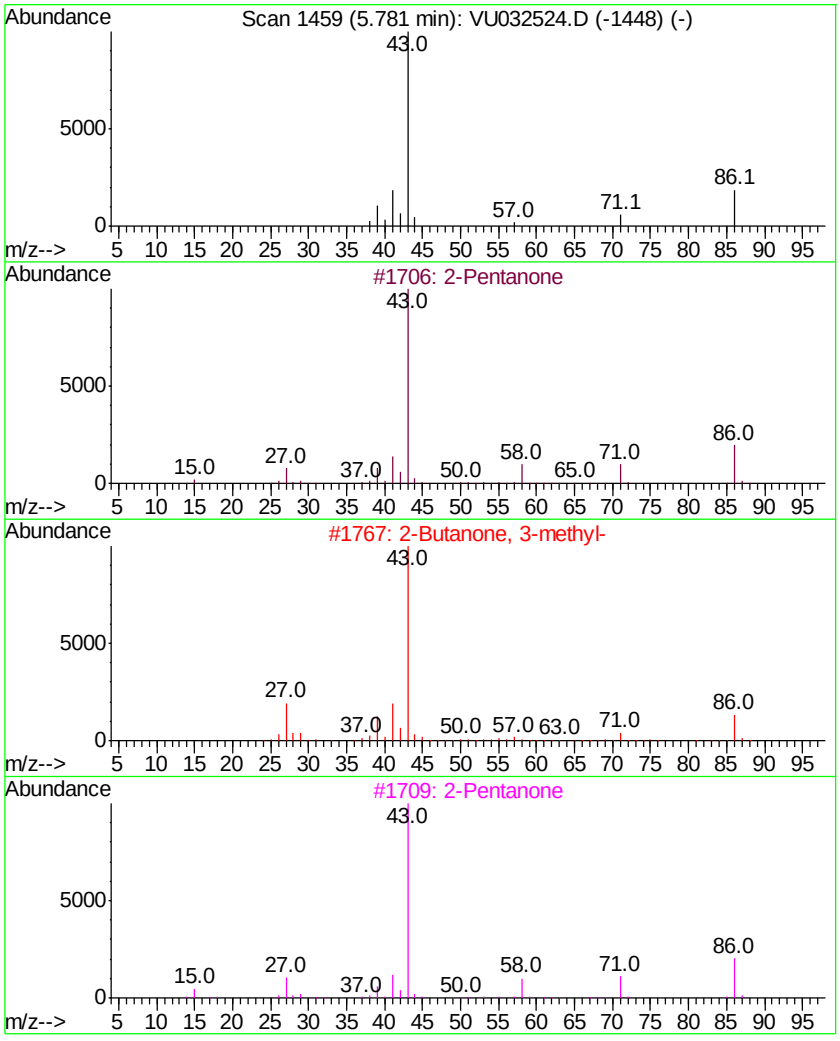
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

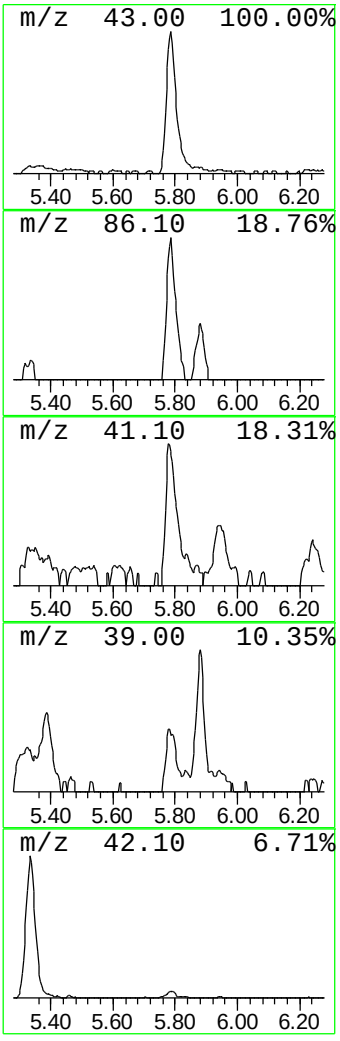
****

Peak Number 4 2-Pentanone Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.78	2.76 ug/L	26018	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-Butanone, 3-methyl-	86	C5H10O	000563-80-4	64
3	2-Pentanone	86	C5H10O	000107-87-9	50
4	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	9
5	2-Pentanone	86	C5H10O	000107-87-9	9





Library Search Compound Report

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Data File : VU032524.D
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Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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

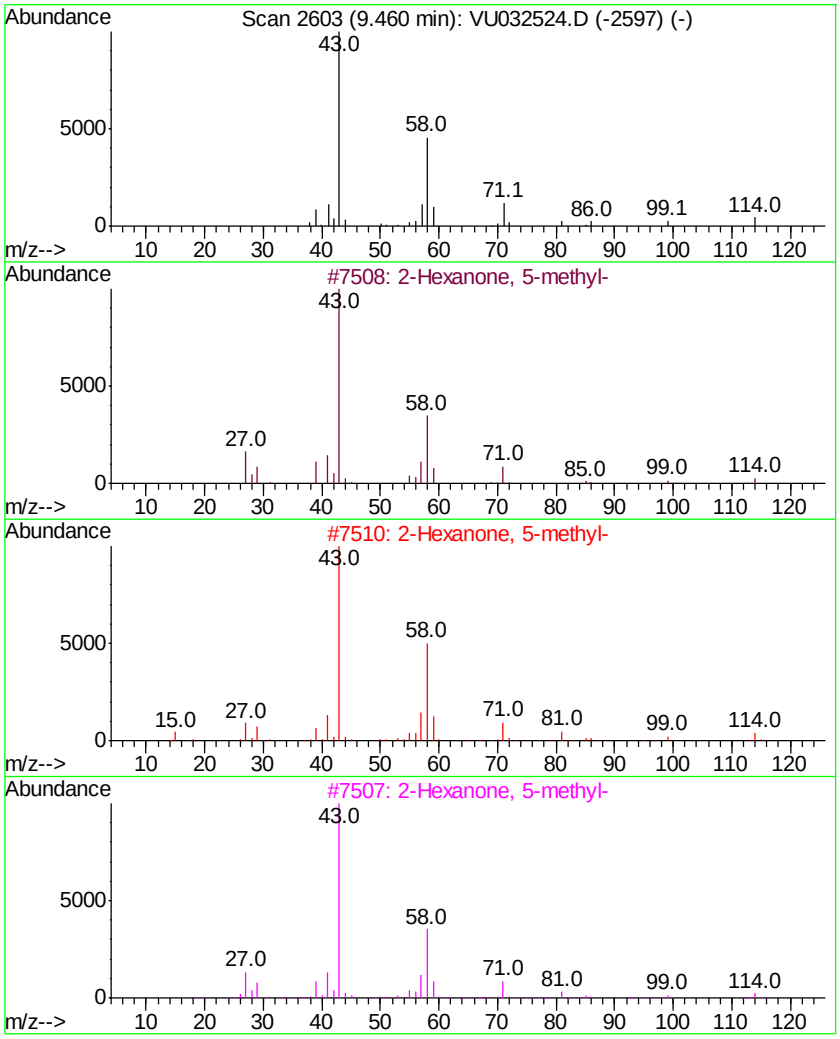
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

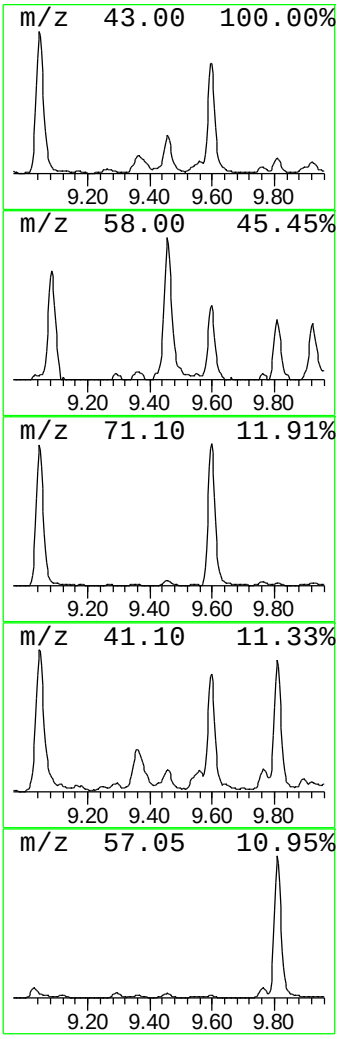
****

Peak Number 6 2-Hexanone, 5-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	3.63 ug/L	43731	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	86
2	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	86
3	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	83
4	2-Hexanone, 5-methyl-	114	C7H14O	000110-12-3	72
5	2-Heptanone	114	C7H14O	000110-43-0	72





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Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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

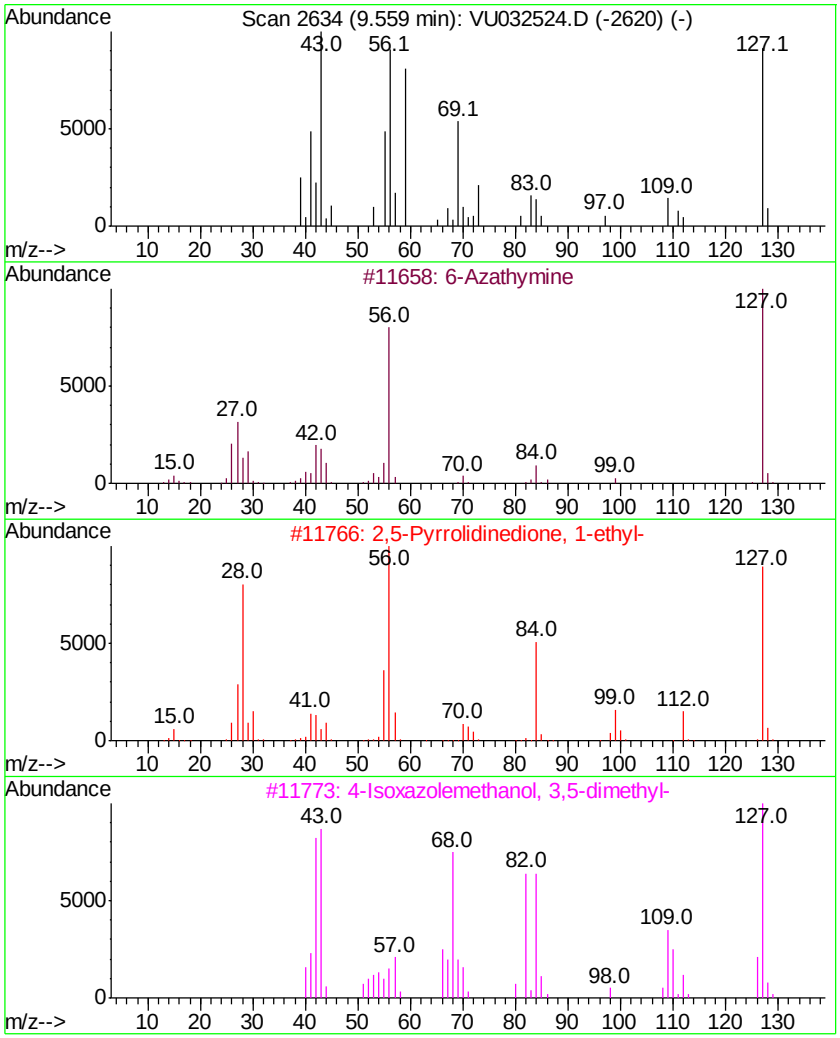
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

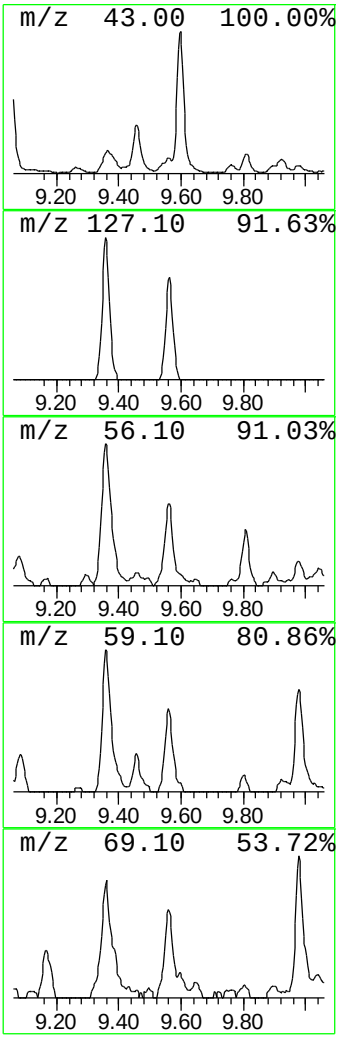
****

Peak Number 7 unknown-01 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	4.15 ug/L	50000	Chlorobenzene-d5	9.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Azathymine	127	C4H5N3O2	000932-53-6	47
2	2,5-Pyrrolidinedione, 1-ethyl-	127	C6H9NO2	002314-78-5	43
3	4-Isoxazolemethanol, 3,5-dimethyl-	127	C6H9NO2	019788-36-4	27
4	N-Acetylpyrrolidone	127	C6H9NO2	000932-17-2	25
5	2-Oxepanone, 4-methyl-	128	C7H12O2	002549-60-2	22





Library Search Compound Report

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Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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

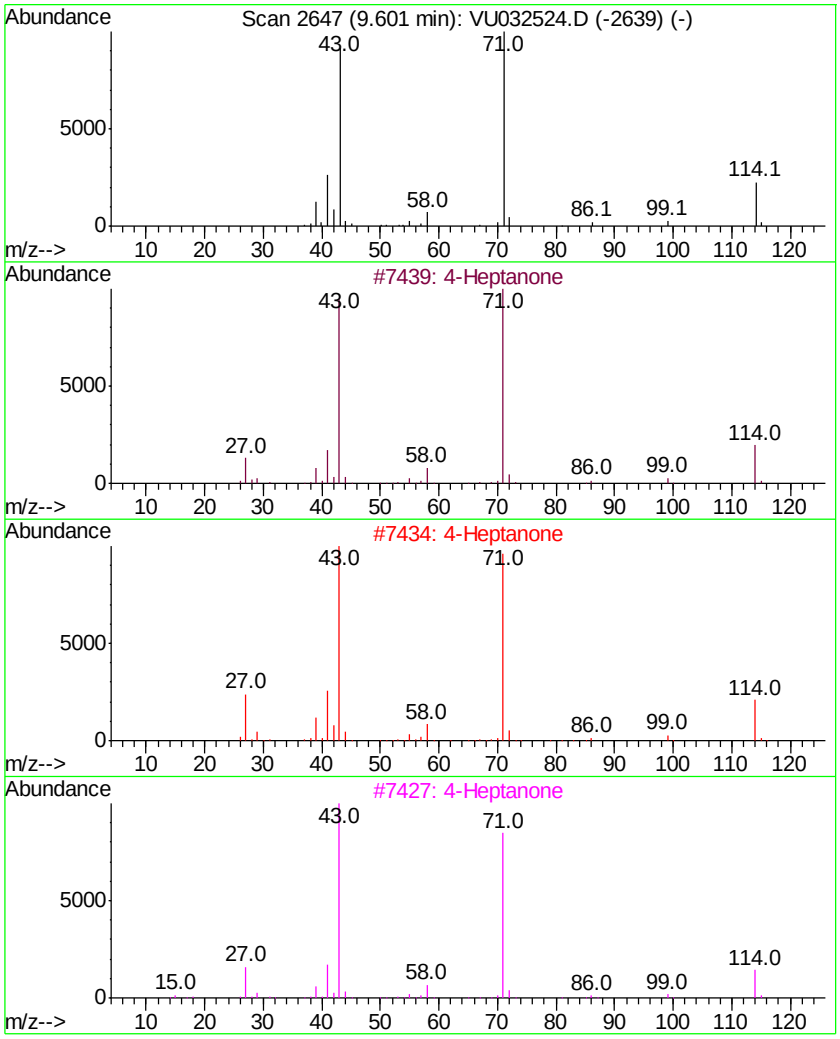
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

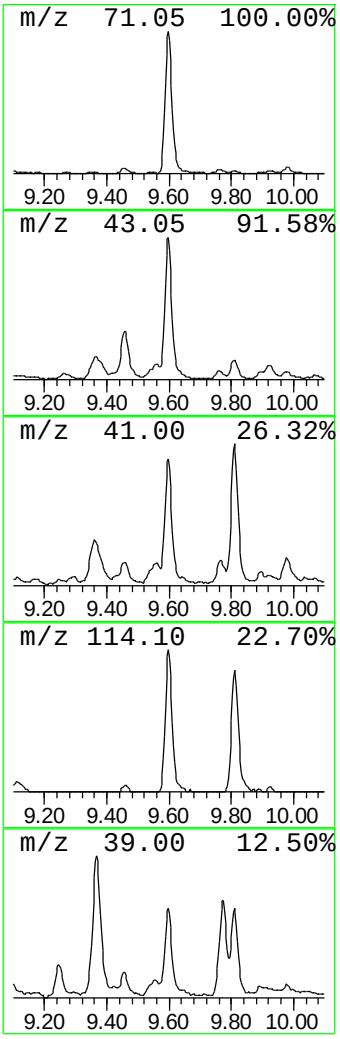
****

Peak Number 8 4-Heptanone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.60	13.69 ug/L	164888	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	80
4	4-Heptanone	114	C7H14O	000123-19-3	78
5	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	78





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Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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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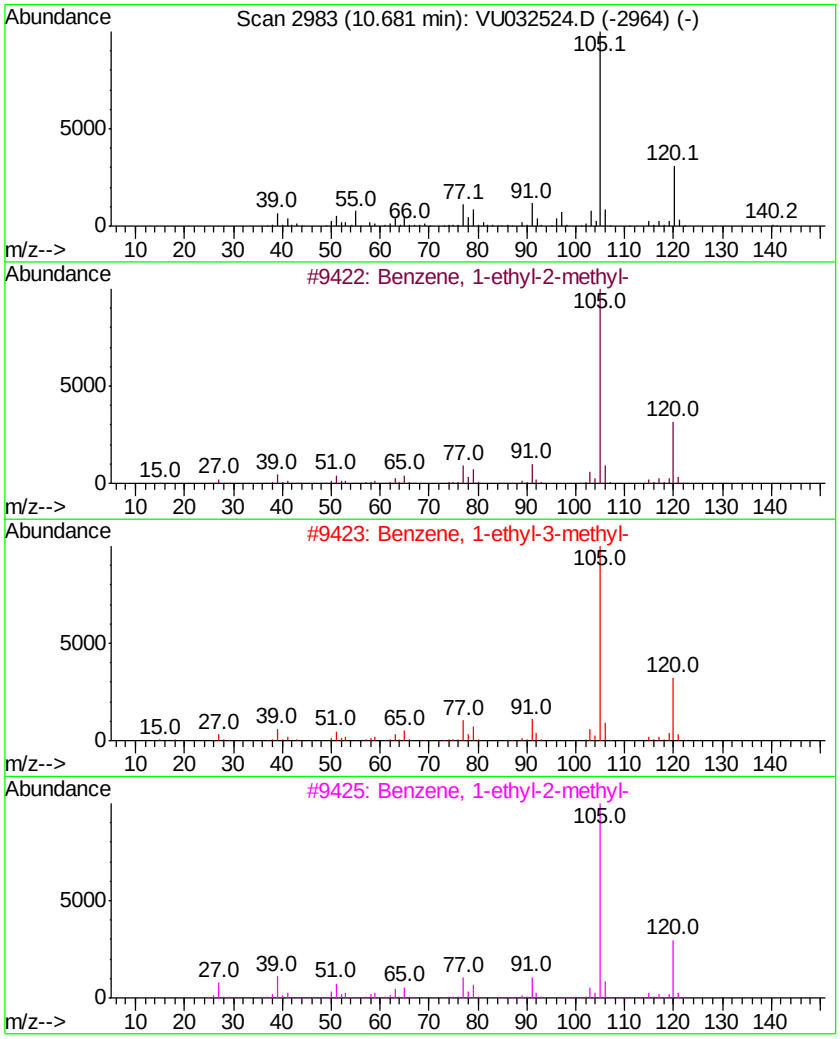
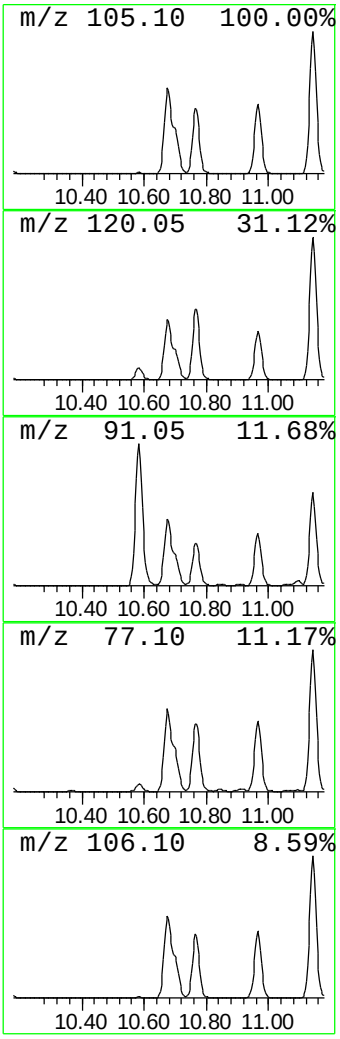
Peak Number 9 Benzene, 1-ethyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	6.19 ug/L	696778	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-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





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Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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

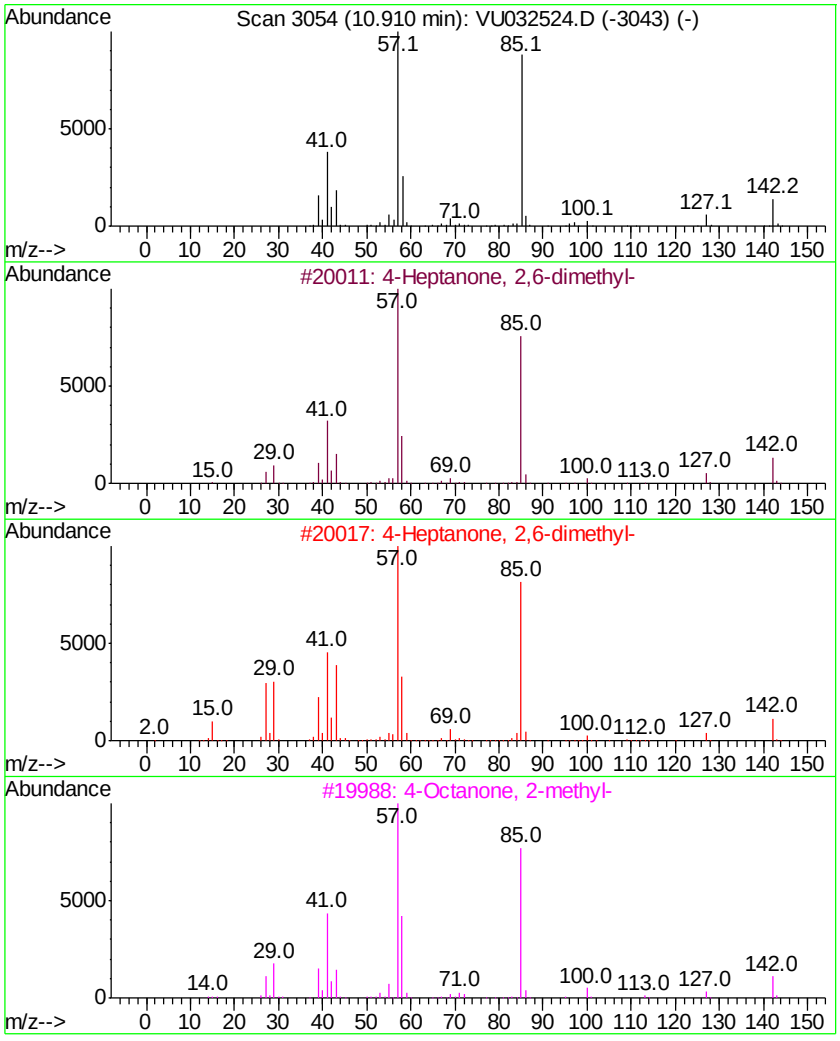
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

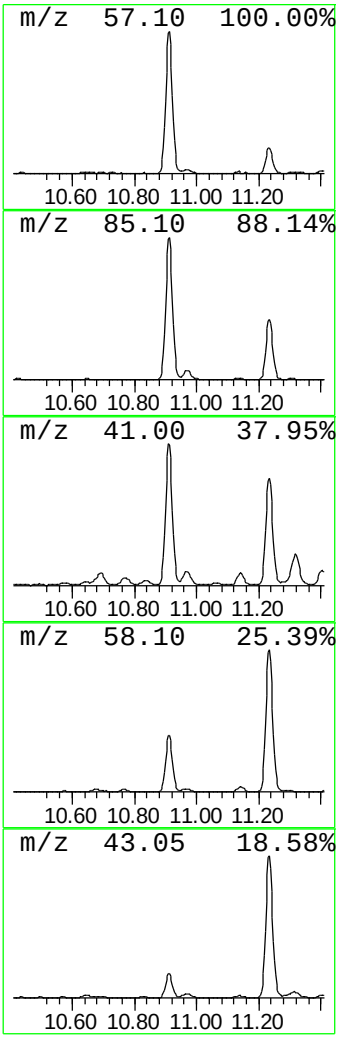
****

Peak Number 11 4-Heptanone, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.91	7.66 ug/L	862394	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	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	72
4	5-Nonanone	142	C9H18O	000502-56-7	64
5	5-Nonanone	142	C9H18O	000502-56-7	64





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Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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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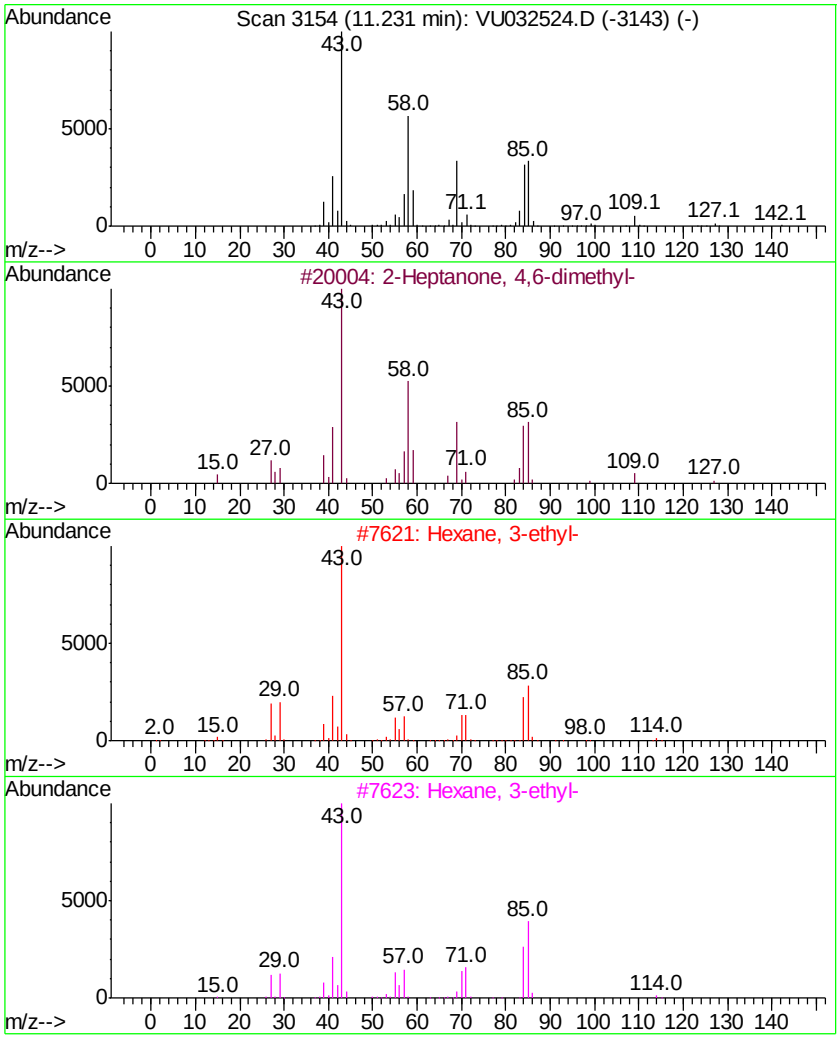
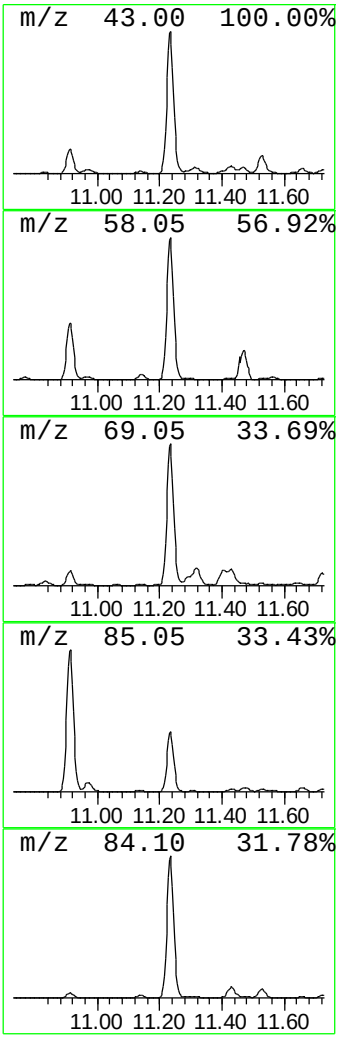
Peak Number 14 2-Heptanone, 4,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	9.27 ug/L	1043400	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	90
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	38
3	Hexane, 3-ethyl-	114	C8H18	000619-99-8	38
4	Oxirane, 2,3-diethyl-	100	C6H12O	004468-66-0	38
5	2-Hexanone	100	C6H12O	000591-78-6	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060619\
Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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

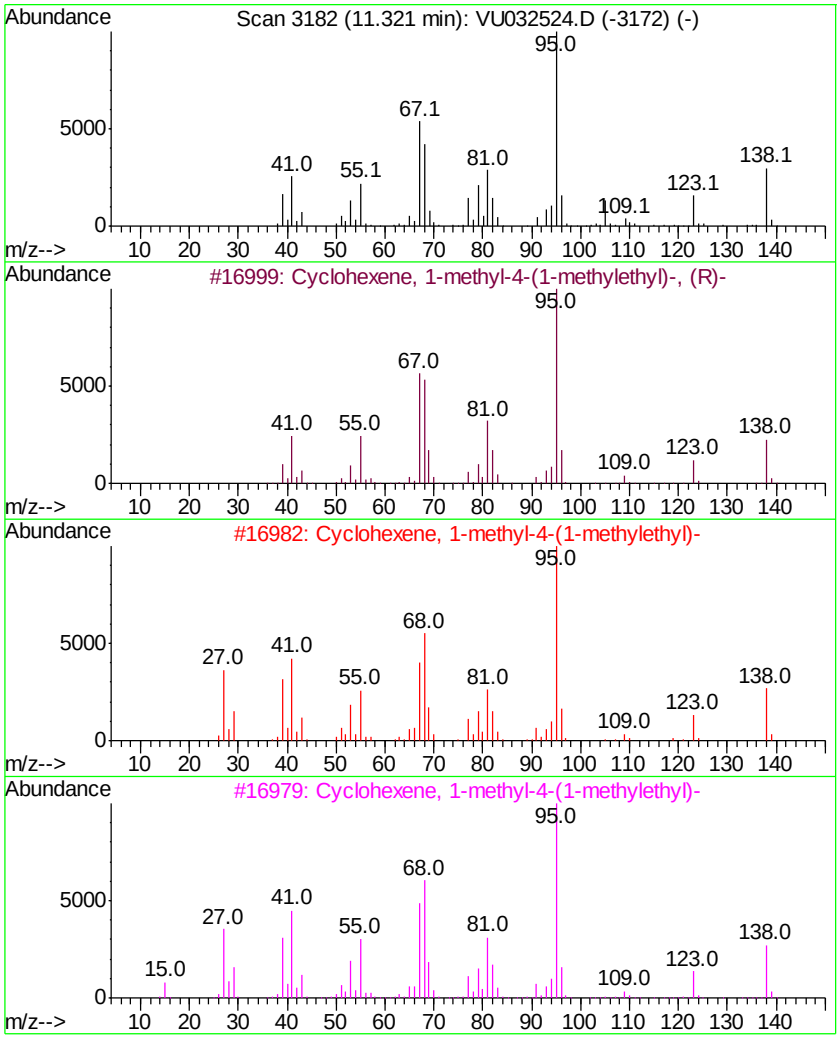
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

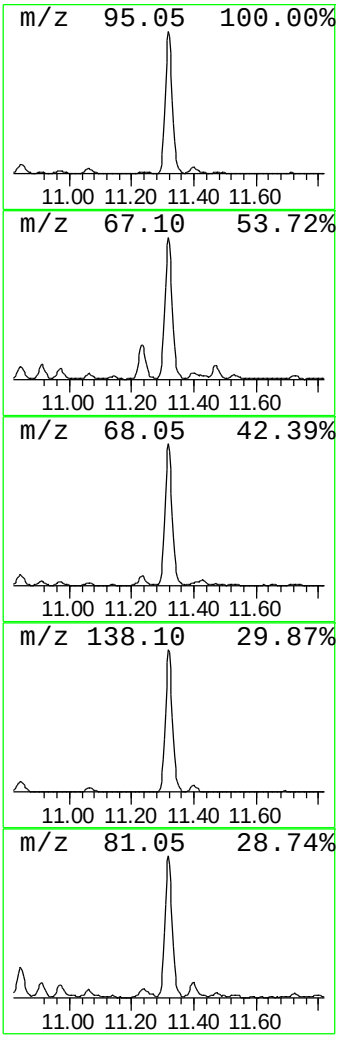
****

Peak Number 15 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	4.01 ug/L	451006	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	001195-31-9	93
2	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	90
3	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	74
4	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	72
5	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	001124-26-1	70





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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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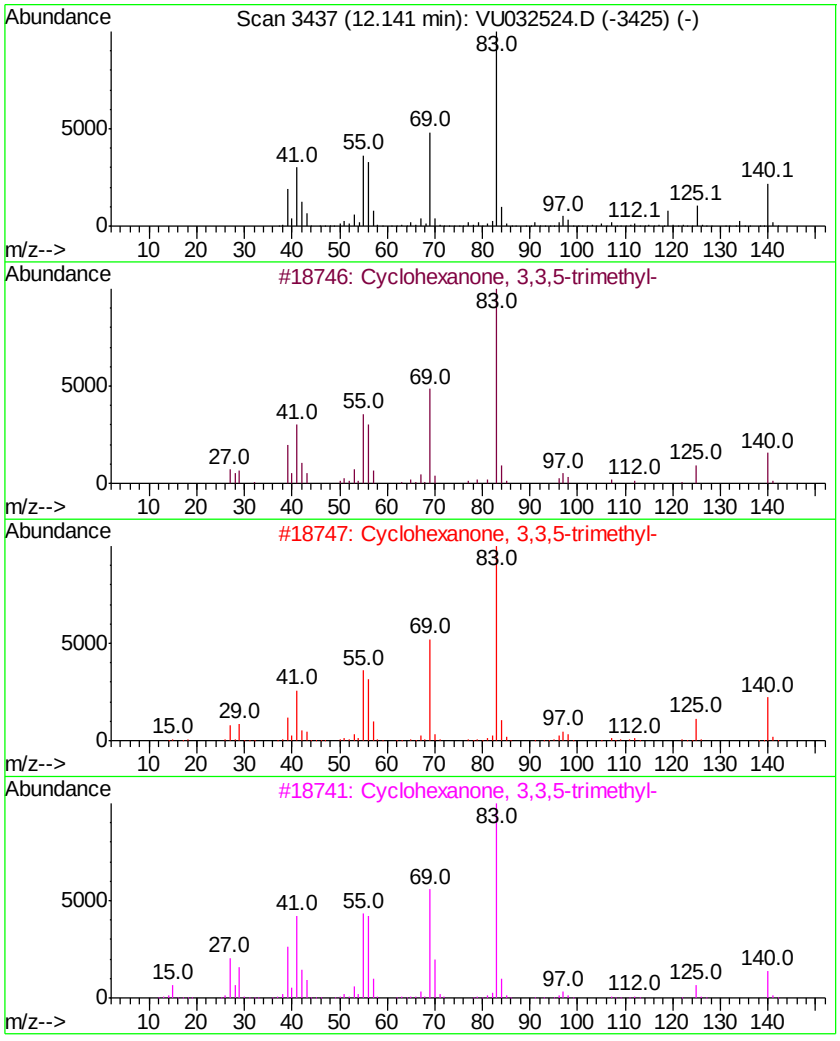
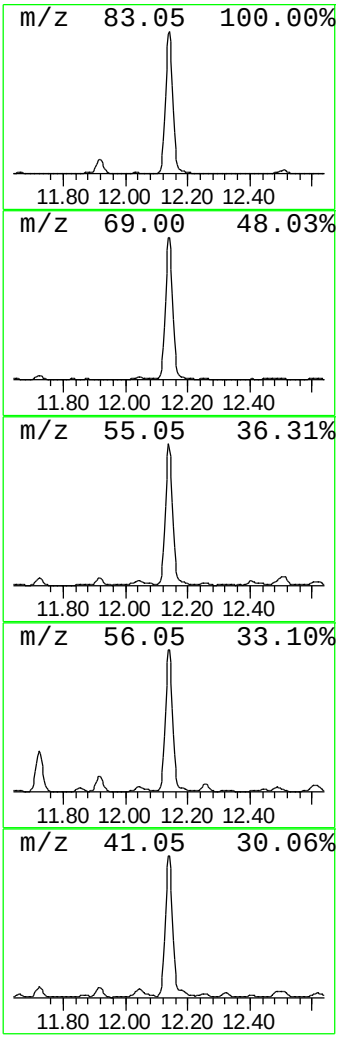
Peak Number 16 Cyclohexanone, 3,3,5-trimet... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	22.94 ug/L	2580680	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	Cyclohexane, butyl-	140	C10H20	001678-93-9	64





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Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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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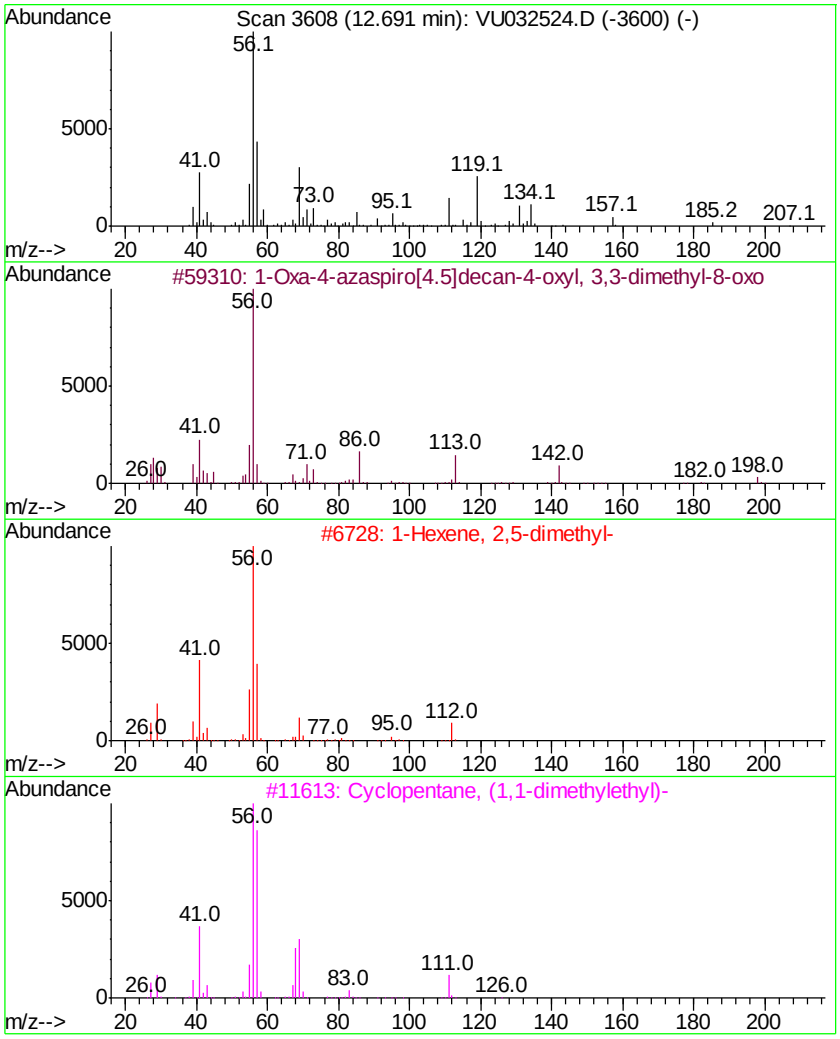
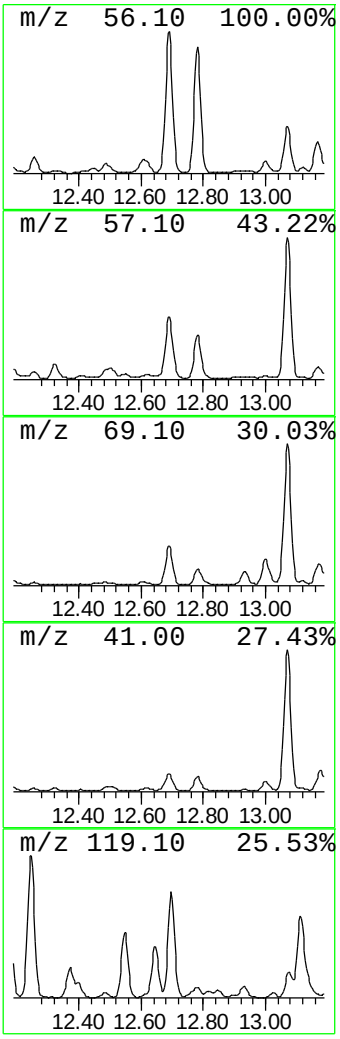
Peak Number 17 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.69	4.17 ug/L	469365	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Oxa-4-azaspiro[4.5]decan-4-oxy...	198	C10H16NO3	1000115-84-0	43
2	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	38
3	Cyclopentane, (1,1-dimethylethyl)-	126	C9H18	003875-52-3	37
4	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	32
5	Cyclobutane, 1,2,3,4-tetramethyl-	112	C8H16	069531-57-3	32





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Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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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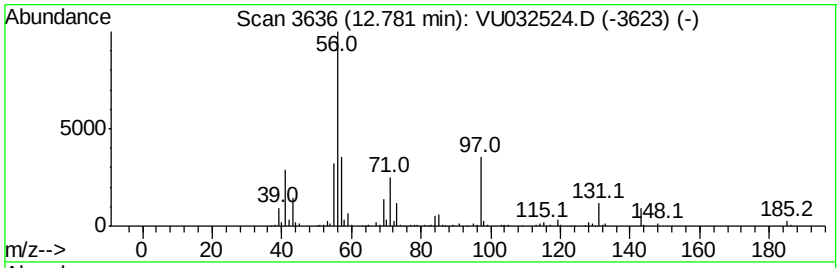
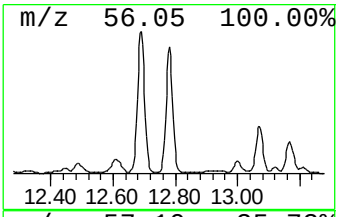
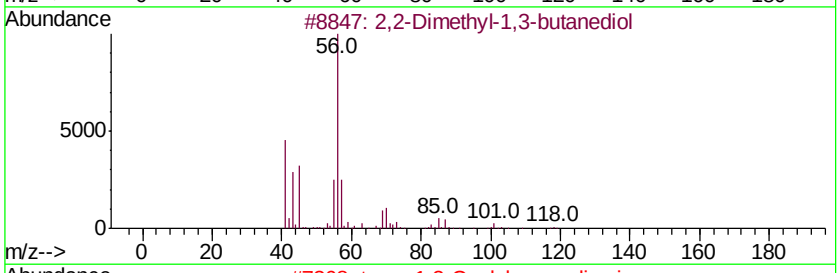
Peak Number 18 unknown-03 Concentration Rank 20

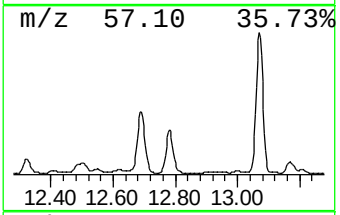
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	3.37 ug/L	378832	1,4-Dichlorobenzene-d4	11.48

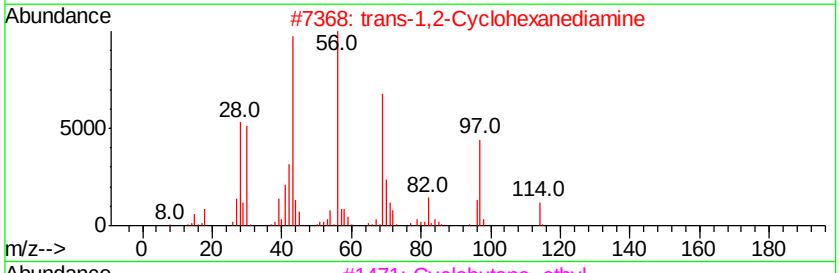
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1,3-butanediol	118	C6H14O2	000076-35-7	43
2	trans-1,2-Cyclohexanediamine	114	C6H14N2	001121-22-8	40
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	37
4	1,2-Cyclohexanediamine	114	C6H14N2	000694-83-7	33
5	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	32

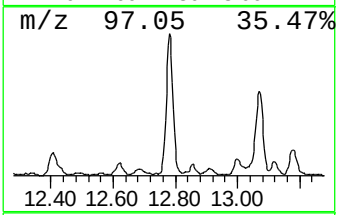


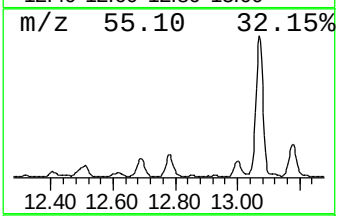


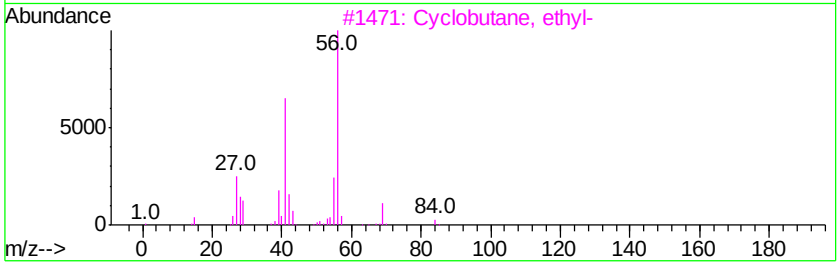


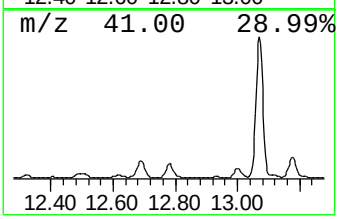












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Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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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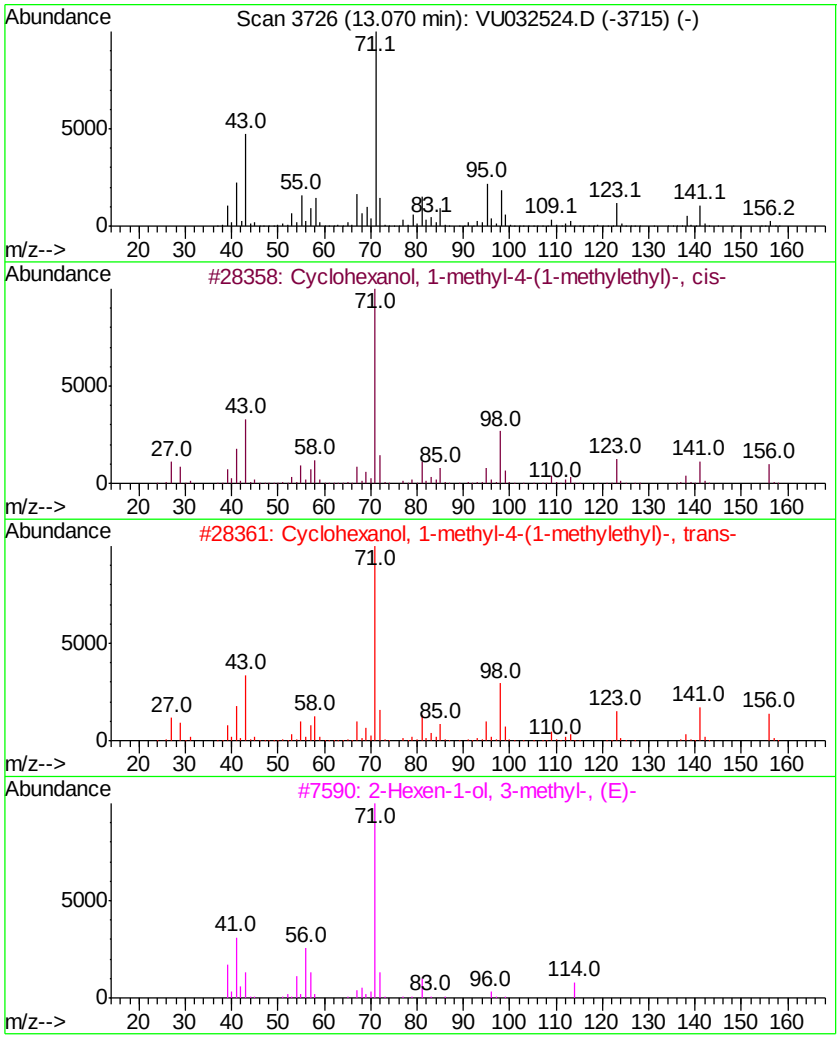
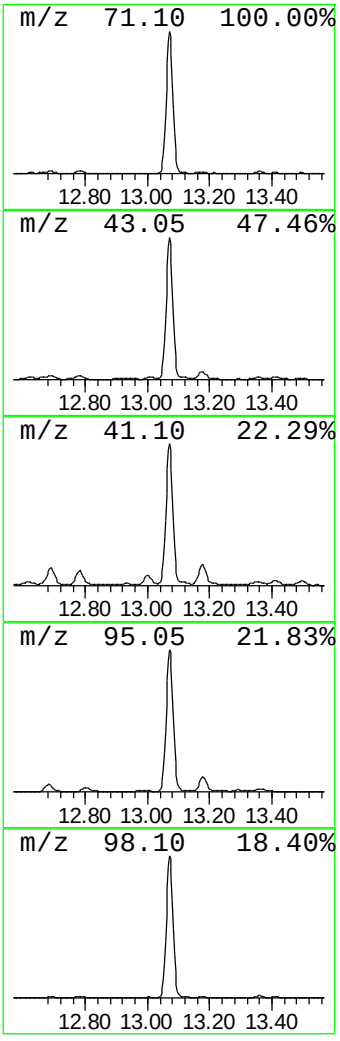
Peak Number 19 Cyclohexanol, 1-methyl-4-(1... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	38.69 ug/L	4353350	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 1-methyl-4-(1-meth...	156	C10H20O	003901-95-9	86
2	Cyclohexanol, 1-methyl-4-(1-meth...	156	C10H20O	003901-93-7	50
3	2-Hexen-1-ol, 3-methyl-, (E)-	114	C7H14O	030801-96-8	43
4	Z-1-Methoxy-2-pentene	100	C6H12O	1000279-59-4	43
5	2,6-Octadiene-4,5-diol	142	C8H14O2	004486-59-3	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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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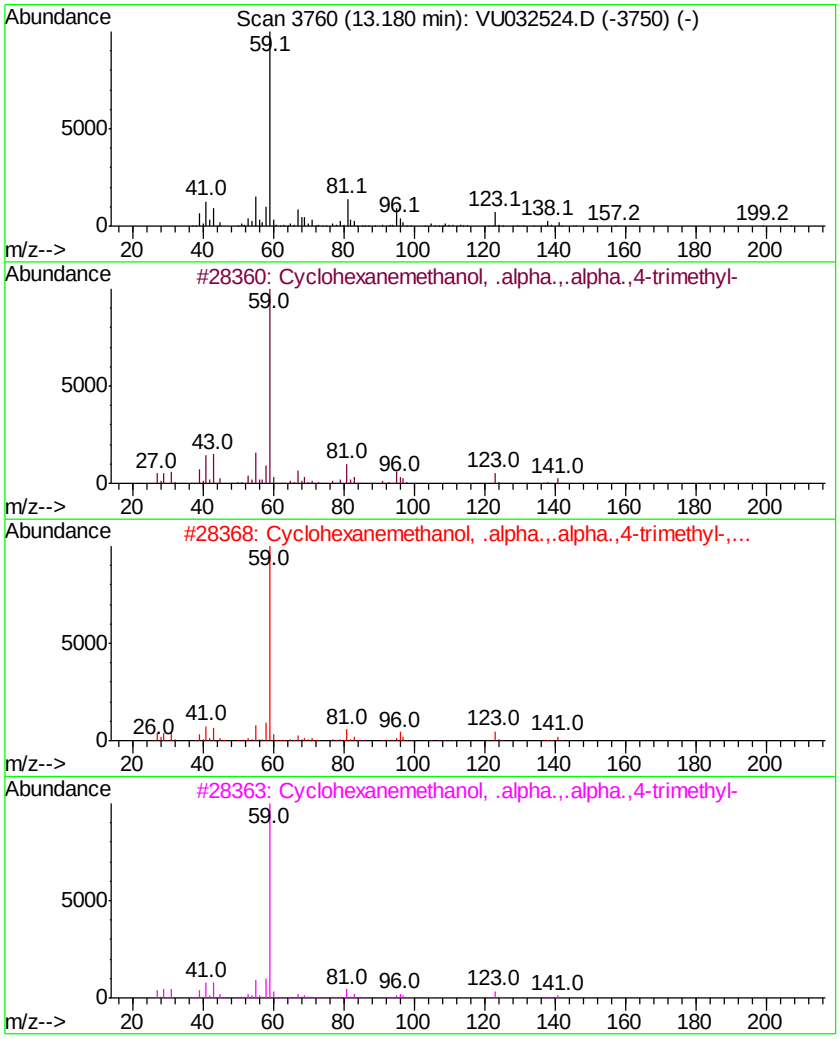
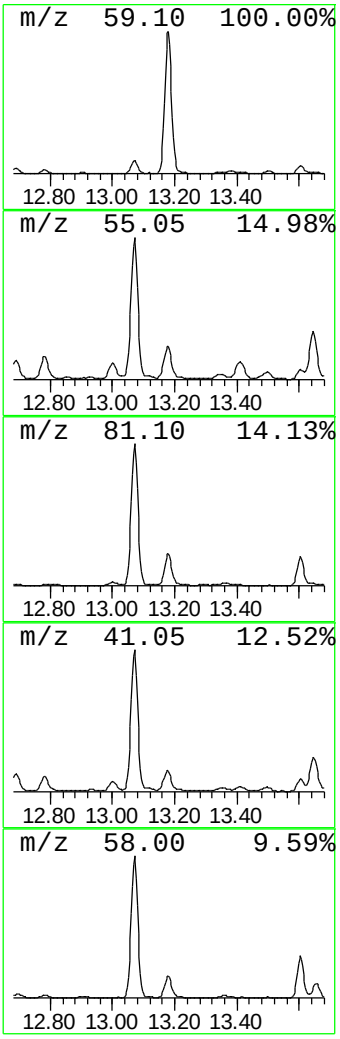
Peak Number 20 Cyclohexanemethanol, .alpha... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	6.59 ug/L	742046	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	83
2	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	007322-63-6	72
3	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	72
4	2,4-Dimethyl-4-penten-2-ol	114	C7H14O	019781-53-4	53
5	2-Heptanol, 2-methyl-	130	C8H18O	000625-25-2	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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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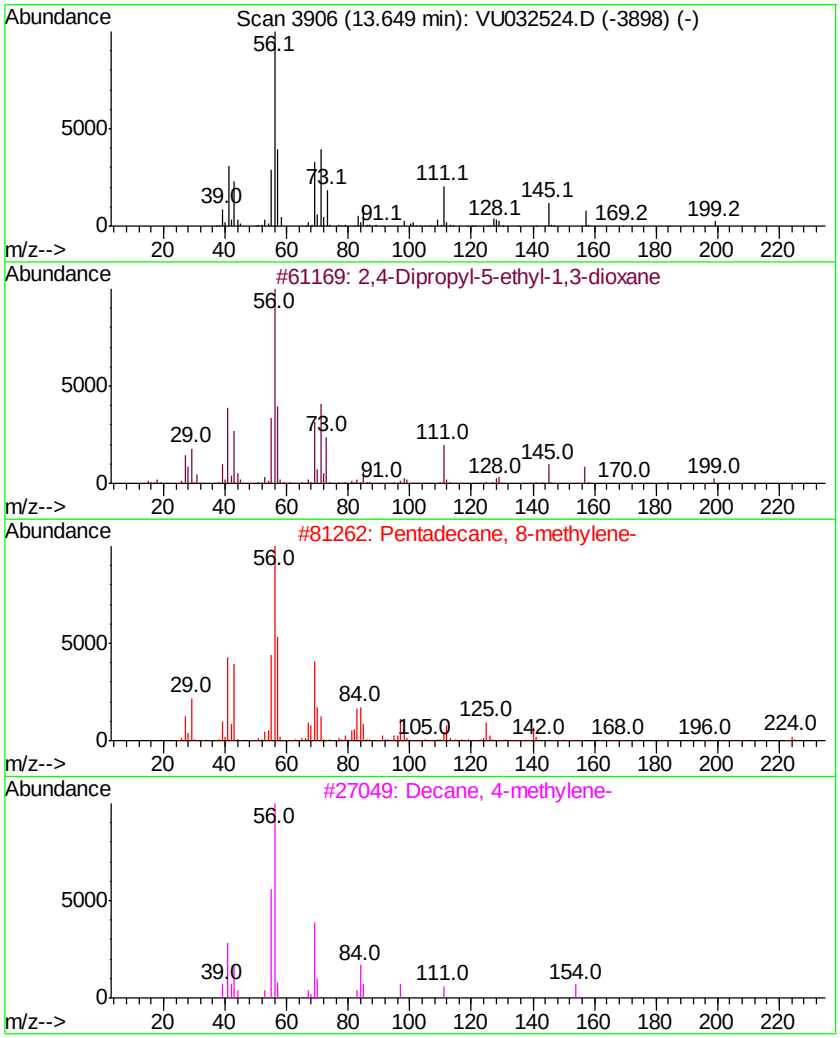
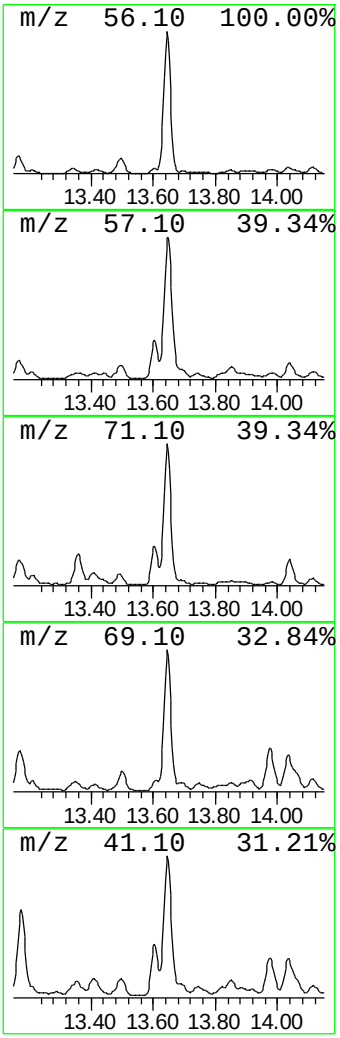
Peak Number 21 2,4-Dipropyl-5-ethyl-1,3-di... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	7.88 ug/L	886583	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	58
2	Pentadecane, 8-methylene-	224	C16H32	055668-09-2	32
3	Decane, 4-methylene-	154	C11H22	024949-41-5	25
4	1-Heptene, 2,6-dimethyl-	126	C9H18	003074-78-0	25
5	Cyclopentanamine	85	C5H11N	001003-03-8	25





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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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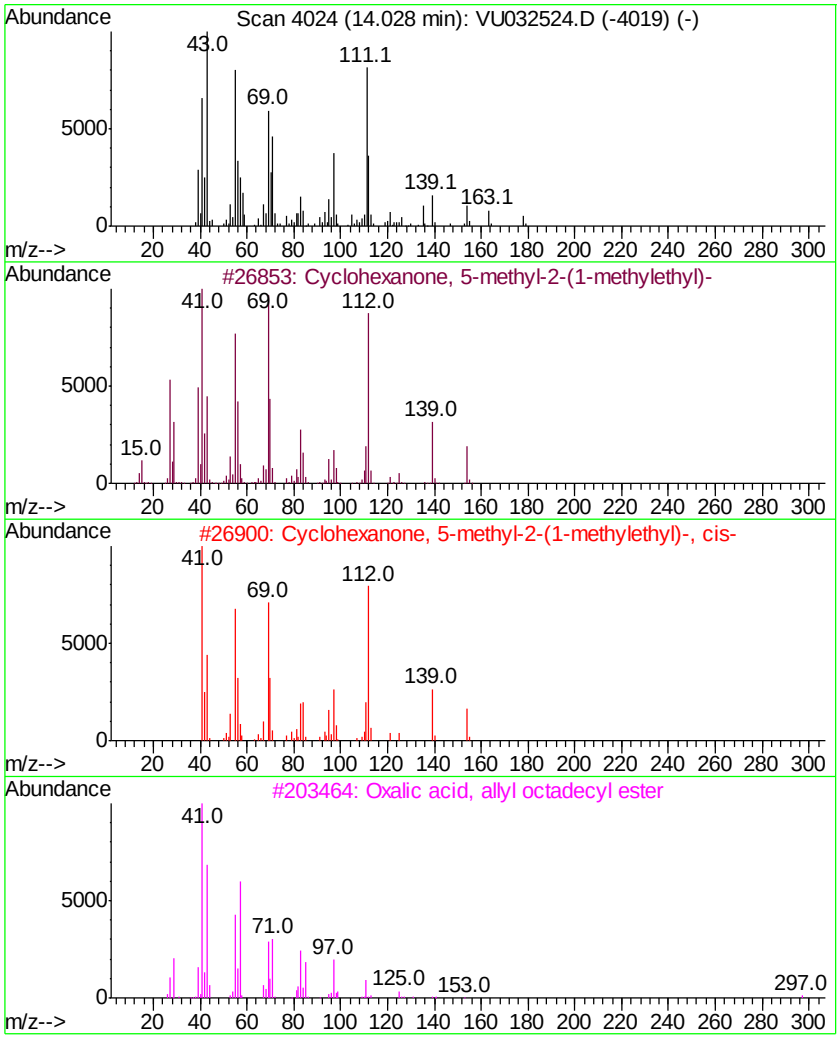
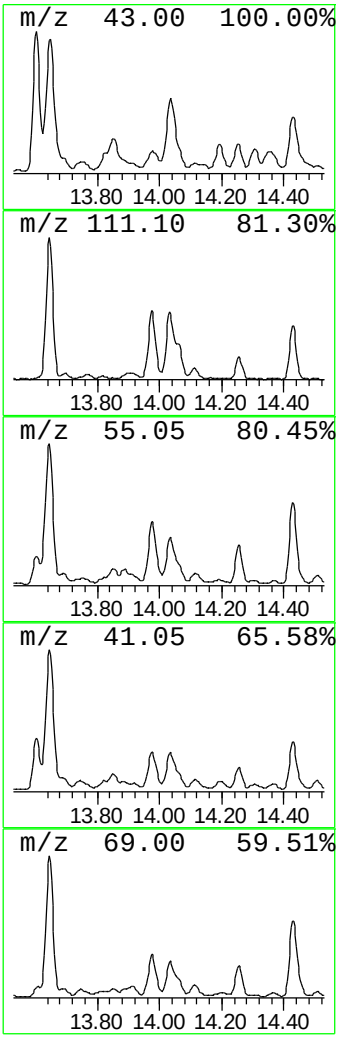
Peak Number 22 unknown-04 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	2.58 ug/L	290387	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	010458-14-7	38
2	Cyclohexanone, 5-methyl-2-(1-met...	154	C10H18O	000491-07-6	38
3	Oxalic acid, allyl octadecyl ester	382	C23H42O4	1000309-24-5	35
4	Thiophene, 2,4-dimethyl-	112	C6H8S	000638-00-6	30
5	3-Ethylidene- heptan-2,6-dione	154	C9H14O2	1000223-47-9	30





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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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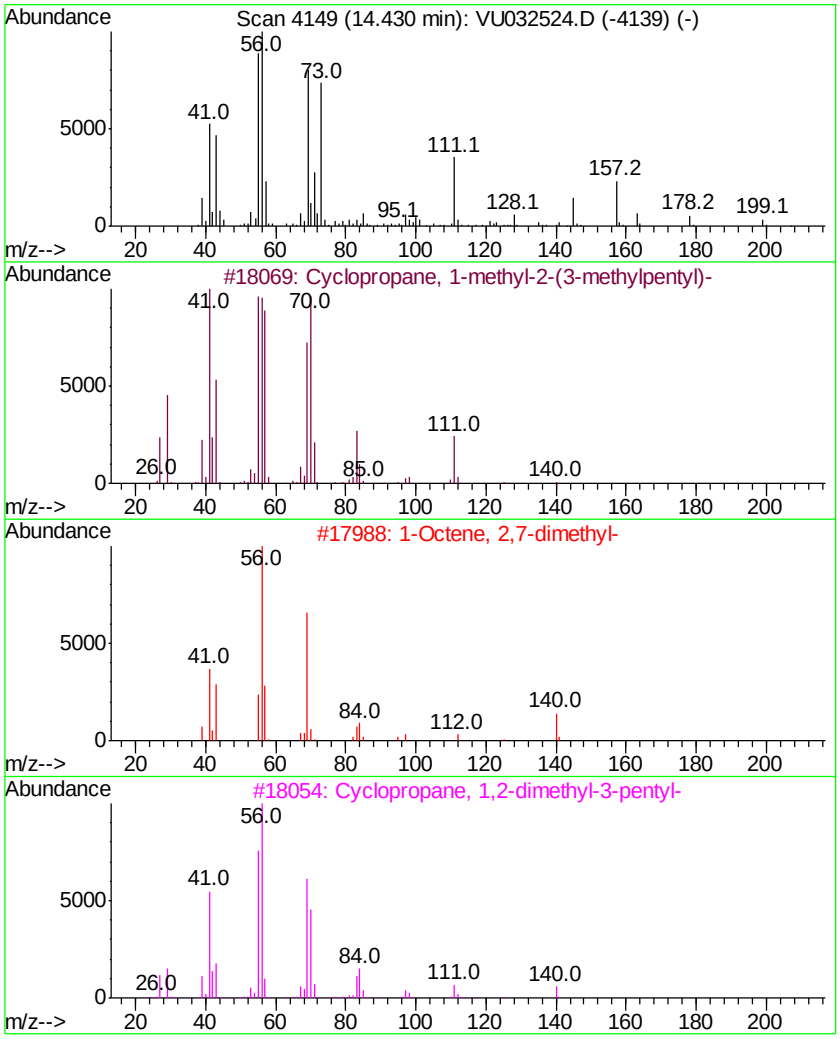
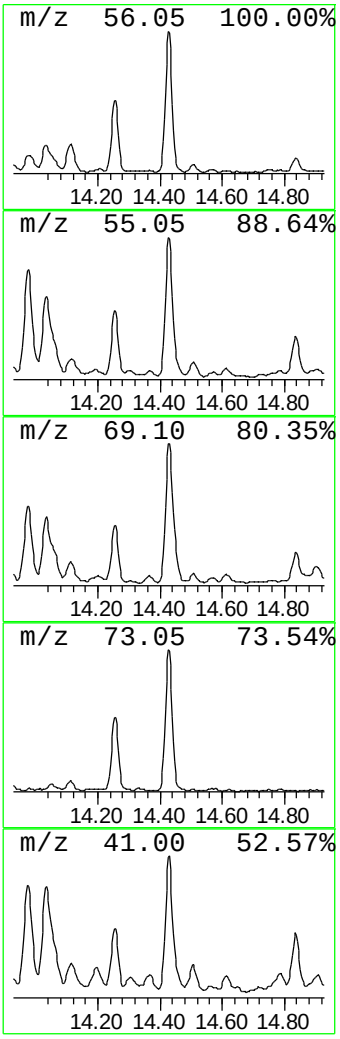
Peak Number 23 (DEL) Alkane: Cyclic14.43 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	2.57 ug/L	288989	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	(S)-(+)-3-Methyl-1-pentanol	102	C6H14O	042072-39-9	40
5	Hexyl trifluoroacetate	198	C8H13F3O2	000400-61-3	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU060619\
Data File : VU032524.D
Acq On : 07 Jun 2019 02:30
Operator : JC/SP
Sample : K3215-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DB8J3

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
Isopropyl Alcohol	2.44	4.2	ug/L	39427	1	5.88	471908	50.0
Propanal, 2-methyl-	3.18	6.5	ug/L	61304	1	5.88	471908	50.0
Butanal	3.98	46.7	ug/L	441055	1	5.88	471908	50.0
2-Pentanone	5.78	2.8	ug/L	26018	1	5.88	471908	50.0
2-Hexanone, 5-met...	9.46	3.6	ug/L	43731	2	9.08	602154	50.0
unknown-01	9.56	4.2	ug/L	50000	2	9.08	602154	50.0
4-Heptanone	9.60	13.7	ug/L	164888	2	9.08	602154	50.0
Benzene, 1-ethyl-...	10.68	6.2	ug/L	696778	3	11.48	5625900	50.0
4-Heptanone, 2,6-...	10.91	7.7	ug/L	862394	3	11.48	5625900	50.0
2-Heptanone, 4,6-...	11.23	9.3	ug/L	1043400	3	11.48	5625900	50.0
Cyclohexene, 1-me...	11.32	4.0	ug/L	451006	3	11.48	5625900	50.0
Cyclohexanone, 3,...	12.14	22.9	ug/L	2580680	3	11.48	5625900	50.0
unknown-02	12.69	4.2	ug/L	469365	3	11.48	5625900	50.0
unknown-03	12.78	3.4	ug/L	378832	3	11.48	5625900	50.0
Cyclohexanol, 1-m...	13.07	38.7	ug/L	4353350	3	11.48	5625900	50.0
Cyclohexanemethan...	13.18	6.6	ug/L	742046	3	11.48	5625900	50.0
2,4-Dipropyl-5-et...	13.65	7.9	ug/L	886583	3	11.48	5625900	50.0
unknown-04	14.03	2.6	ug/L	290387	3	11.48	5625900	50.0
(DEL) Alkane: Cyc...	14.43	2.6	ug/L	288989	3	11.48	5625900	50.0