LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

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_V\METHOD\SOMVLM030620WMA.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	1.315	61	70	81	rBV	147765	167297	1.27%	0.160%
2	1.393	86	94	110	rBV	88984	132311	1.00%	0.126%
3	1.579	143	152	166	rVB	113038	139953	1.06%	0.133%
4	2.116	306	319	330	rBV2	351383	663878	5.03%	0.633%
5	2.193	330	343	408	rVB	2045907	5433192	41.15%	5.182%
6	2.454	415	424	442	rVV	31480	62597	0.47%	0.060%
7	2.975	571	586	619	rBV	572712	1257457	9.52%	1.199%
8	3.724	800	819	866	rBV	3189503	8399268	63.62%	8.011%
9	3.917	868	879	903	rVB2	89578	280552	2.13%	0.268%
10	4.376	1004	1022	1045	rBV	214835	523354	3.96%	0.499%
11	5.074	1213	1239	1252	rBV2	519045	1371196	10.39%	1.308%
12	5.643	1401	1416	1439	rBV	451527	913579	6.92%	0.871%
13	6.003	1514	1528	1543	rBV3	32848	117312	0.89%	0.112%
14	6.093	1544	1556	1582	rVV2	298775	638863	4.84%	0.609%
15	6.309	1613	1623	1639	rBV2	34022	66538	0.50%	0.063%
16	7.007	1824	1840	1860	rBV	162262	291439	2.21%	0.278%
17	7.251	1903	1916	1932	rBV	182254	345863	2.62%	0.330%
18	7.338	1932	1943	1955	rBV	646935	1065335	8.07%	1.016%
19	7.547	1997	2008	2022	rVB4	43057	93666	0.71%	0.089%
20	7.643	2027	2038	2055	rBV	114395	195457	1.48%	0.186%
21	8.103	2166	2181	2198	rBV2	2820131	4886019	37.01%	4.660%
22	8.277	2221	2235	2259	rBV	927961	1669748	12.65%	1.592%
23	8.871	2399	2420	2440	rBV3	937725	1938869	14.69%	1.849%
24	9.151	2487	2507	2508	rBV6	101431	204919	1.55%	0.195%
25	9.222	2522	2529	2538	rVB	77916	107439	0.81%	0.102%
26	9.347	2557	2568	2579	rBV2	72655	120138	0.91%	0.115%
27	9.405	2579	2586	2603	rVB	33247	66423	0.50%	0.063%
28	9.566	2626	2636	2645	rBV	150472	240684	1.82%	0.230%
29	9.617	2646	2652	2664	rVB	35149	53905	0.41%	0.051%
30	9.723	2678	2685	2699	rVB3	32528	56967	0.43%	0.054%
31	9.826	2707	2717	2744	rVB4	101998	214032	1.62%	0.204%
32	9.945	2744	2754	2767	rBV5	44802	81023	0.61%	0.077%
33	10.039	2773	2783	2795	rBV2	55091	96066	0.73%	0.092%
34	10.238	2833	2845	2857	rVB	449589	690617	5.23%	0.659%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

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_V\METHOD\SOMVLM030620WMA.M
Title : VOC Analysis

35	10.357	2870	2882	2899	rBV6	178226	422888	3.20%	0.403%
36	10.466	2901	2916	2926	rVV3	107519	293470	2.22%	0.280%
37	10.527	2926	2935	2939	rVV	279418	423830	3.21%	0.404%
38	10.559	2940	2945	2961	rVB	320071	456445	3.46%	0.435%
39	10.714	2984	2993	2998	rBV	99799	145541	1.10%	0.139%
40	10.756	2998	3006	3023	rVB	445462	737895	5.59%	0.704%
41	10.932	3051	3061	3077	rVB	817664	1231371	9.33%	1.174%
42	11.055	3079	3099	3108	rBV4	261928	592988	4.49%	0.566%
43	11.103	3109	3114	3127	rVB2	76628	117824	0.89%	0.112%
44	11.167	3128	3134	3141	rBV2	64575	82055	0.62%	0.078%
45	11.215	3141	3149	3152	rBV	85722	121931	0.92%	0.116%
46	11.267	3157	3165	3177	rVB	808894	1293293	9.80%	1.233%
47	11.357	3178	3193	3204	rVB	872052	1391185	10.54%	1.327%
48	11.460	3206	3225	3234	rBV2	218150	418290	3.17%	0.399%
49	11.518	3234	3243	3246	rBV	709860	979021	7.42%	0.934%
50	11.547	3246	3252	3273	rVB	1615154	2599899	19.69%	2.480%
51	11.646	3273	3283	3298	rVB2	783254	1521369	11.52%	1.451%
52	11.727	3298	3308	3315	rBV	504908	804914	6.10%	0.768%
53	11.765	3316	3320	3330	rVB2	151770	203881	1.54%	0.194%
54	11.839	3330	3343	3361	rBV2	442523	903945	6.85%	0.862%
55	11.942	3361	3375	3396	rBV	7906223	13201848	100.00%	12.591%
56	12.042	3397	3406	3423	rVB4	403418	877739	6.65%	0.837%
57	12.135	3425	3435	3439	rBV	116002	181666	1.38%	0.173%
58	12.247	3463	3470	3475	rBV3	82397	118012	0.89%	0.113%
59	12.283	3476	3481	3485	rBV2	41241	49729	0.38%	0.047%
60	12.334	3490	3497	3511	rVB2	270956	439916	3.33%	0.420%
61	12.431	3512	3527	3533	rBV2	207109	433890	3.29%	0.414%
62	12.482	3533	3543	3557	rVB2	2914320	4424934	33.52%	4.220%
63	12.572	3557	3571	3587	rBV	2098825	3438819	26.05%	3.280%
64	12.733	3612	3621	3632	rVB5	90246	212601	1.61%	0.203%
65	12.801	3632	3642	3653	rVV4	789970	1285959	9.74%	1.226%
66	12.858	3653	3660	3666	rVV6	170250	288583	2.19%	0.275%
67	12.900	3666	3673	3683	rVV3	523771	1021695	7.74%	0.974%
68	12.955	3683	3690	3700	rVB	679076	1011991	7.67%	0.965%
69	13.067	3717	3725	3735	rBV	188646	289652	2.19%	0.276%
70	13.138	3736	3747	3755	rBV5	141467	263360	1.99%	0.251%
71	13.196	3756	3765	3773	rBV	268616	410582	3.11%	0.392%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

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_V\METHOD\SOMVLM030620WMA.M
Title : VOC Analysis

72	13.286	3782	3793	3803	rVB5	409607	782636	5.93%	0.746%
73	13.437	3820	3840	3857	rBV	6740901	11514921	87.22%	10.982%
74	13.521	3858	3866	3877	rVB	899956	1356625	10.28%	1.294%
75	13.643	3887	3904	3919	rBV5	704416	1895994	14.36%	1.808%
76	13.768	3934	3943	3953	rVB3	526153	860127	6.52%	0.820%
77	13.829	3953	3962	3977	rVB5	1042281	2078960	15.75%	1.983%
78	13.903	3978	3985	3990	rBV4	139734	200255	1.52%	0.191%
79	13.984	4000	4010	4019	rBV3	458798	765761	5.80%	0.730%
80	14.038	4020	4027	4037	rVB4	227081	404060	3.06%	0.385%
81	14.096	4037	4045	4056	rBV3	290733	549931	4.17%	0.524%
82	14.157	4058	4064	4073	rVV	367554	553630	4.19%	0.528%
83	14.215	4073	4082	4099	rVV3	1088363	1933878	14.65%	1.844%
84	14.292	4099	4106	4122	rVB4	284732	473281	3.58%	0.451%
85	14.402	4132	4140	4149	rBV	354353	517270	3.92%	0.493%
86	14.653	4202	4218	4228	rVB2	690253	1475884	11.18%	1.408%
87	14.781	4247	4258	4265	rBV2	155575	261655	1.98%	0.250%
88	14.839	4265	4276	4287	rBV2	946643	1787710	13.54%	1.705%
89	15.003	4320	4327	4344	rVB	79360	156816	1.19%	0.150%
90	15.093	4346	4355	4361	rBV	142692	241585	1.83%	0.230%
91	15.189	4377	4385	4395	rBV	72912	134877	1.02%	0.129%
92	15.244	4396	4402	4423	rVB3	74638	178129	1.35%	0.170%
93	15.431	4452	4460	4472	rVB7	49215	91717	0.69%	0.087%
94	15.572	4497	4504	4510	rBV	60676	86917	0.66%	0.083%
95	15.685	4531	4539	4548	rBV	137369	223525	1.69%	0.213%
96	15.829	4565	4584	4591	rBV	302247	512971	3.89%	0.489%
97	15.868	4591	4596	4611	rVB2	140561	221593	1.68%	0.211%
98	15.951	4613	4622	4637	rVB5	27287	55027	0.42%	0.052%
99	16.058	4639	4655	4666	rBV	73127	166079	1.26%	0.158%
100	16.202	4691	4700	4711	rBV2	55234	90940	0.69%	0.087%

Sum of corrected areas: 104851721

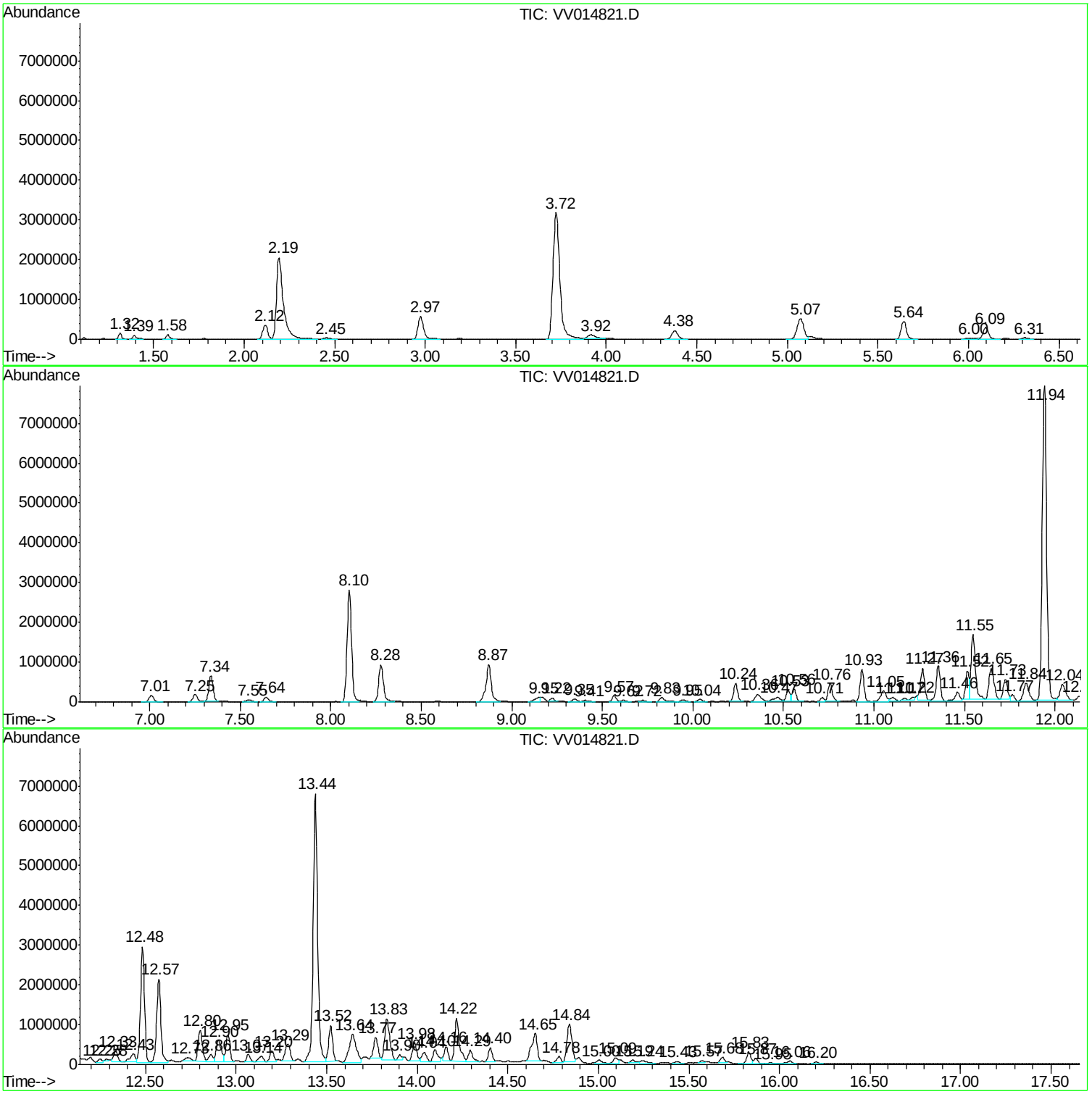
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.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 V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

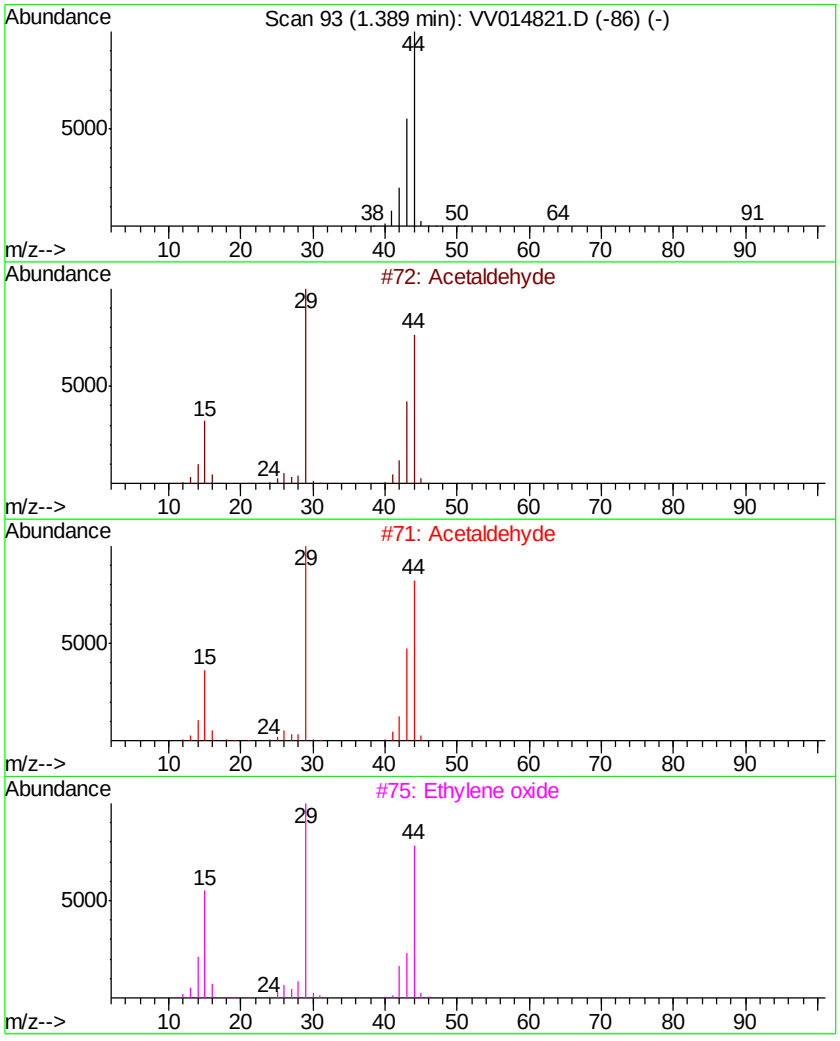
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

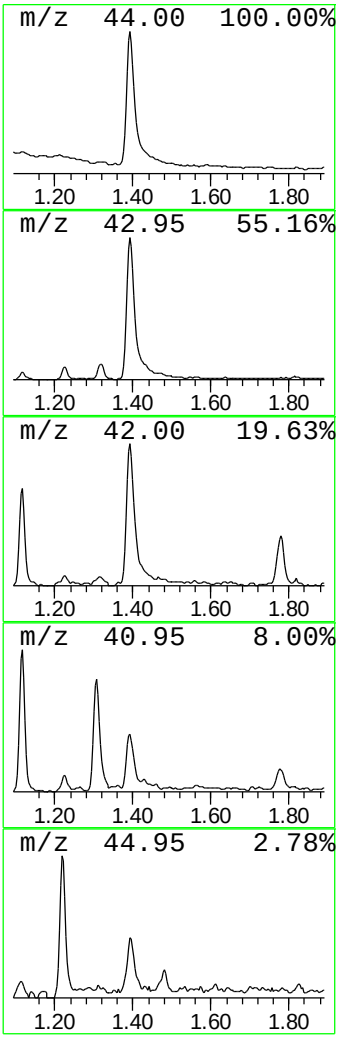
****

Peak Number 1 Acetaldehyde Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.39	7.24 ug/L	132311	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetaldehyde	44	C2H4O	000075-07-0	64
2	Acetaldehyde	44	C2H4O	000075-07-0	64
3	Ethylene oxide	44	C2H4O	000075-21-8	5
4	Ethylene oxide	44	C2H4O	000075-21-8	5
5	Ethylene oxide	44	C2H4O	000075-21-8	5





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

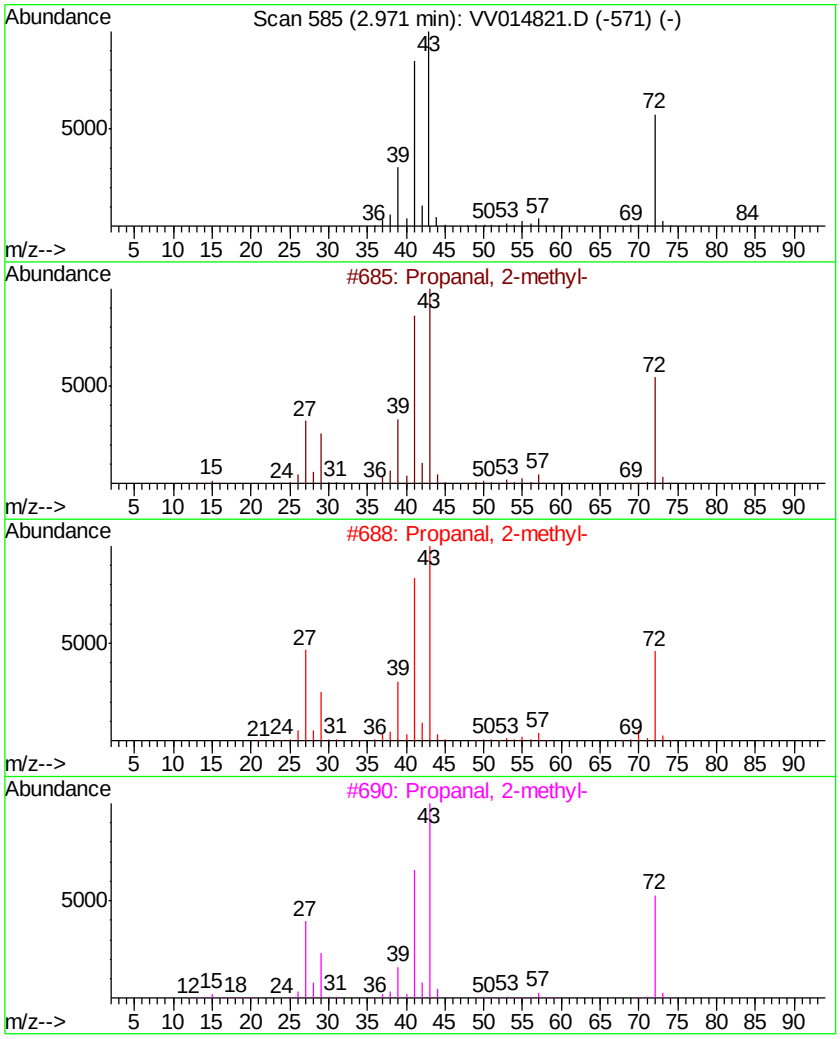
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

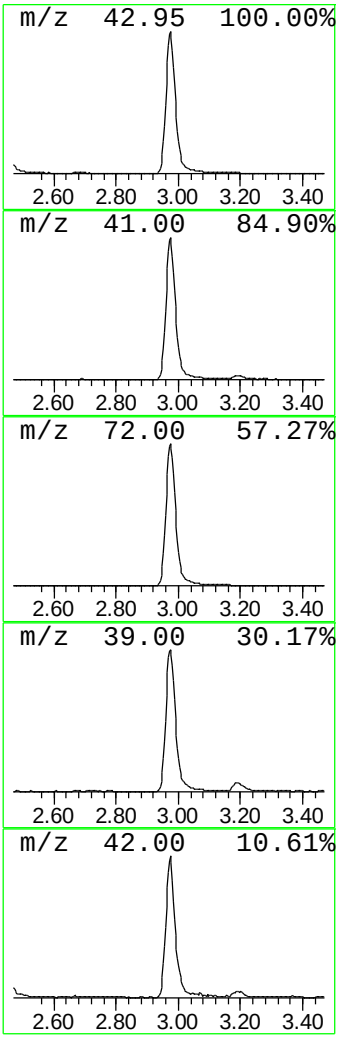
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.97	68.82 ug/L	1257460	1,4-Difluorobenzene	5.64

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	90
4	Isobutylene epoxide	72	C4H8O	000558-30-5	64
5	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

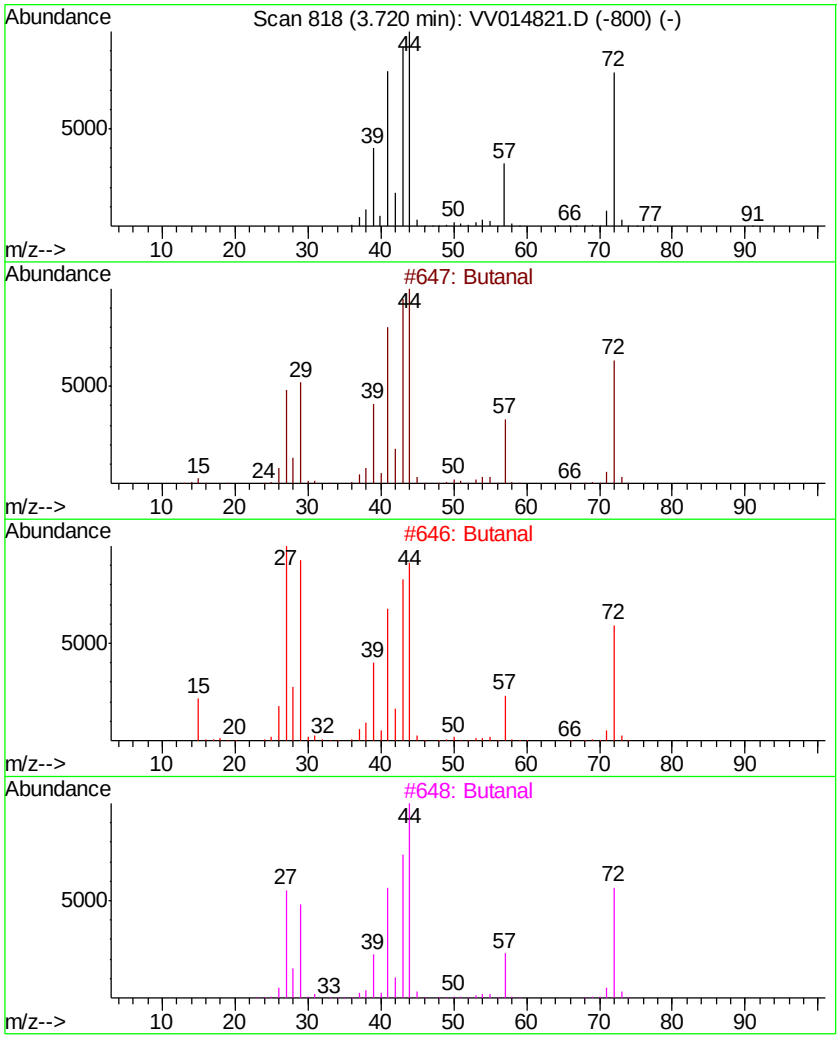
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

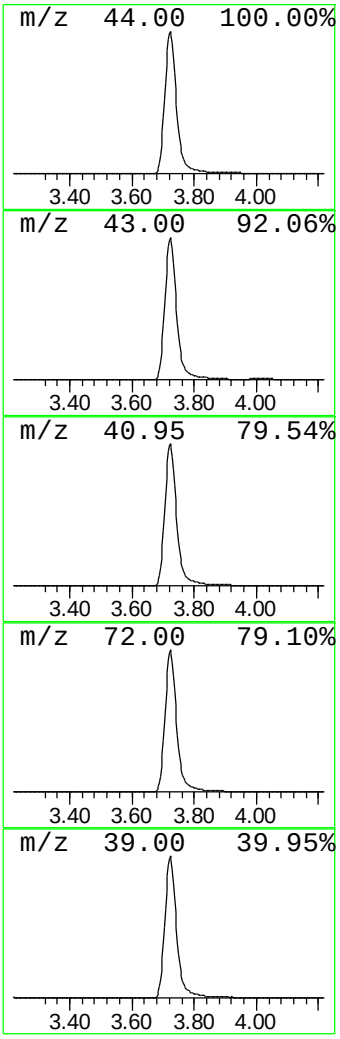
****

Peak Number 3 Butanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	459.69 ug/L	8399270	1,4-Difluorobenzene	5.64

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	83
4	Butanal	72	C4H8O	000123-72-8	74
5	Ethene, ethoxy-	72	C4H8O	000109-92-2	58





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

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

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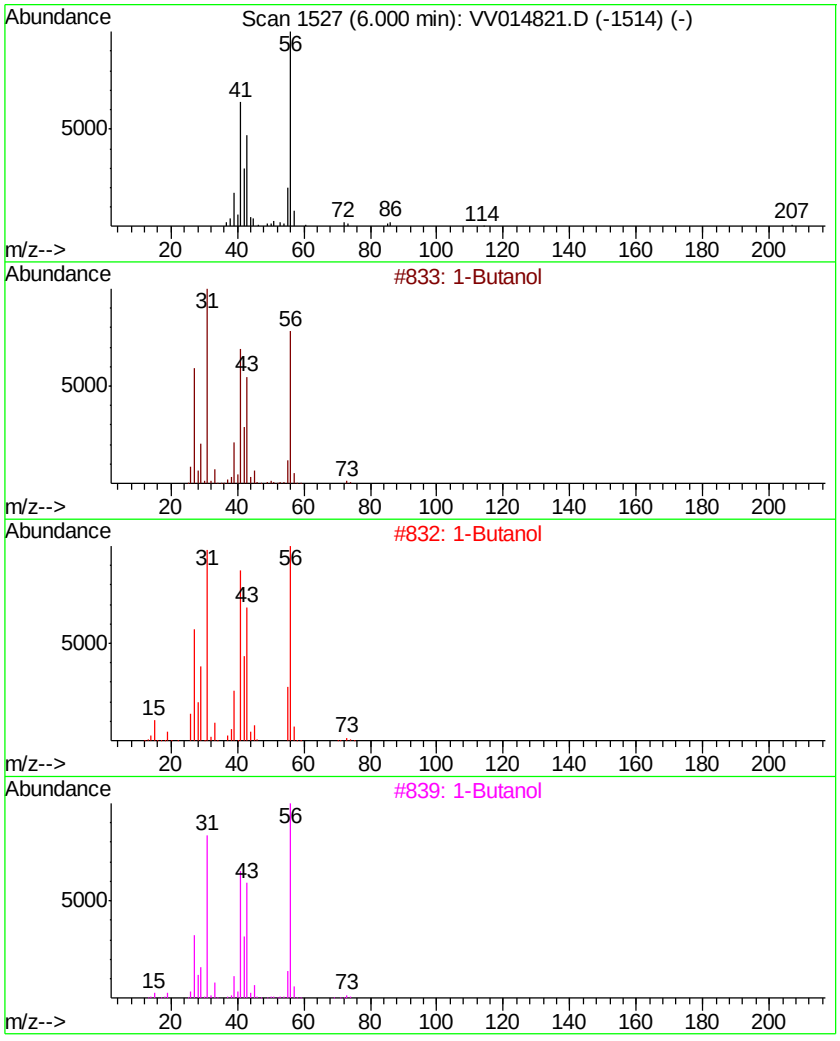
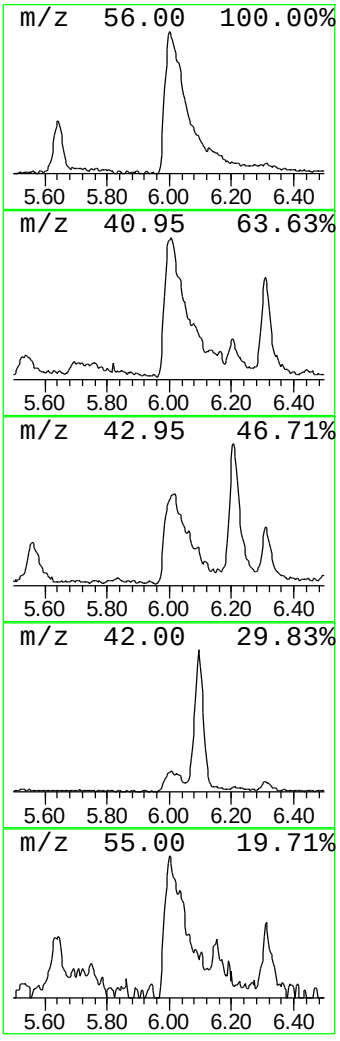
Peak Number 4 1-Butanol Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.00	6.42 ug/L	117312	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol	74	C4H10O	000071-36-3	78
2	1-Butanol	74	C4H10O	000071-36-3	72
3	1-Butanol	74	C4H10O	000071-36-3	64
4	1-Butanol	74	C4H10O	000071-36-3	56
5	1-Butanol	74	C4H10O	000071-36-3	47





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

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

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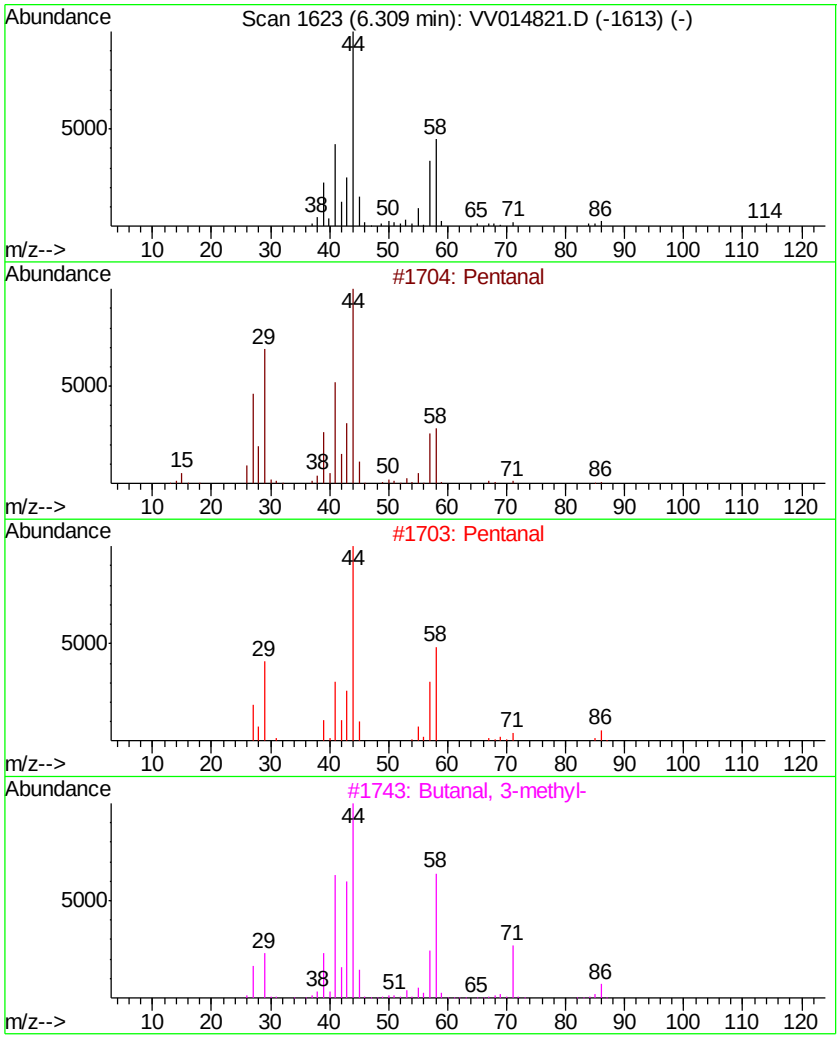
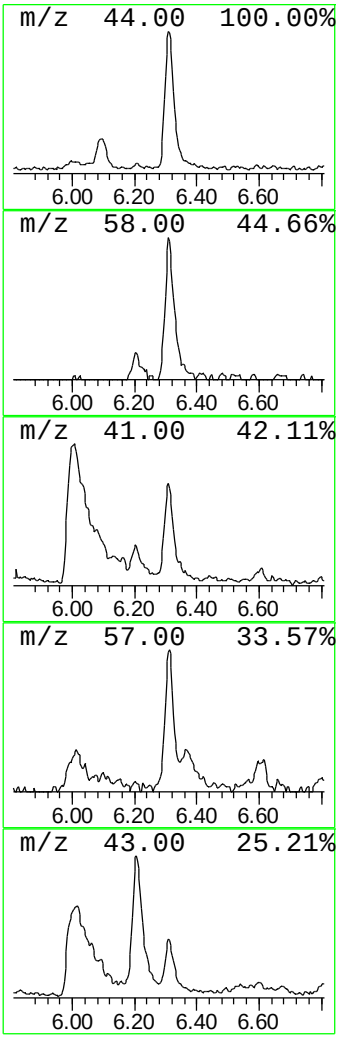
Peak Number 5 Pentanal Concentration Rank 66

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	3.64 ug/L	66538	1,4-Difluorobenzene	5.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	86
2	Pentanal	86	C5H10O	000110-62-3	78
3	Butanal, 3-methyl-	86	C5H10O	000590-86-3	78
4	Pentanal	86	C5H10O	000110-62-3	78
5	Cyclopropyl carbinol	72	C4H8O	002516-33-8	40





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

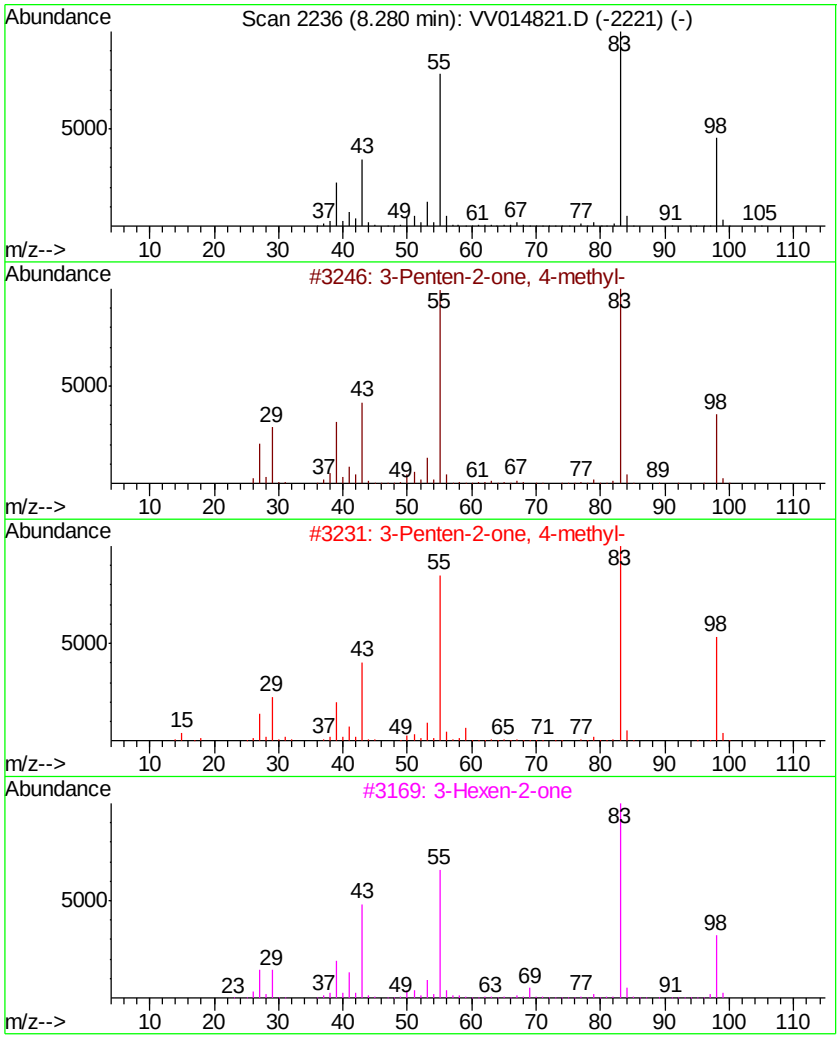
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

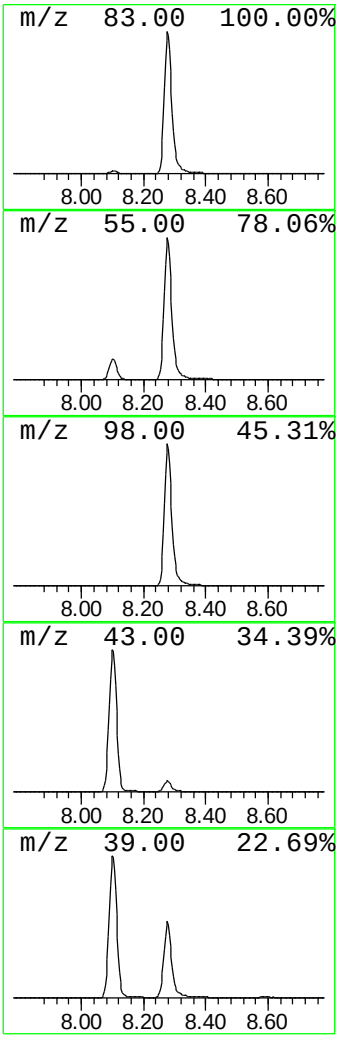
****

Peak Number 7 3-Penten-2-one, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	43.06 ug/L	1669750	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
3	3-Hexen-2-one	98	C6H10O	000763-93-9	91
4	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	80
5	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	78





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

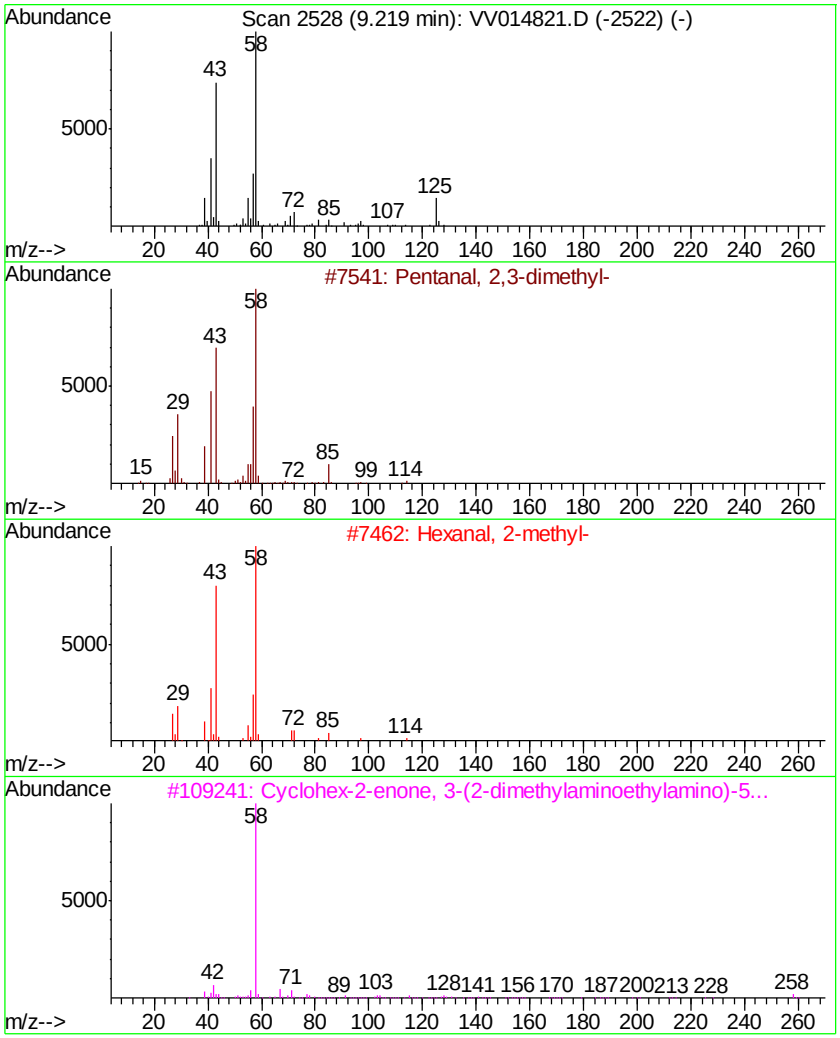
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

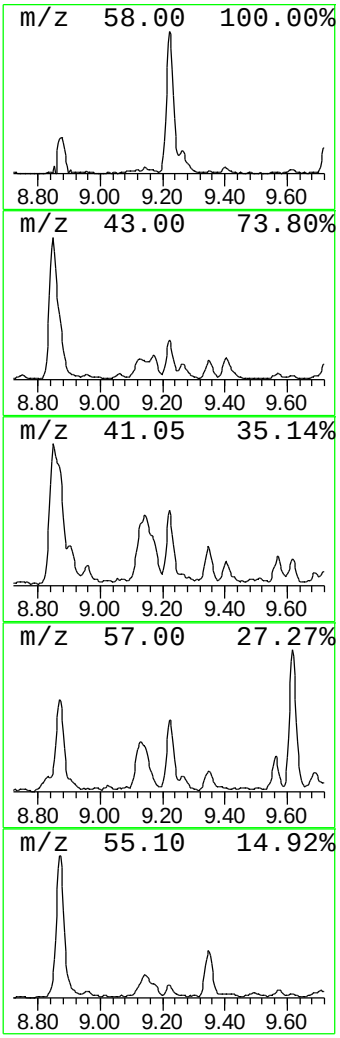
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Pentanal, 2,3-dimethyl- Concentration Rank 72

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	2.77 ug/L	107439	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal, 2,3-dimethyl-	114	C7H14O	032749-94-3	58
2	Hexanal, 2-methyl-	114	C7H14O	000925-54-2	50
3	Cyclohex-2-enone, 3-(2-dimethyla...	258	C16H22N2O	1000304-41-3	45
4	Pentanal, 2,3-dimethyl-	114	C7H14O	032749-94-3	42
5	Acetone, 1-[4-(dimethylaminoetho...	221	C13H19NO2	086608-11-9	39





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Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

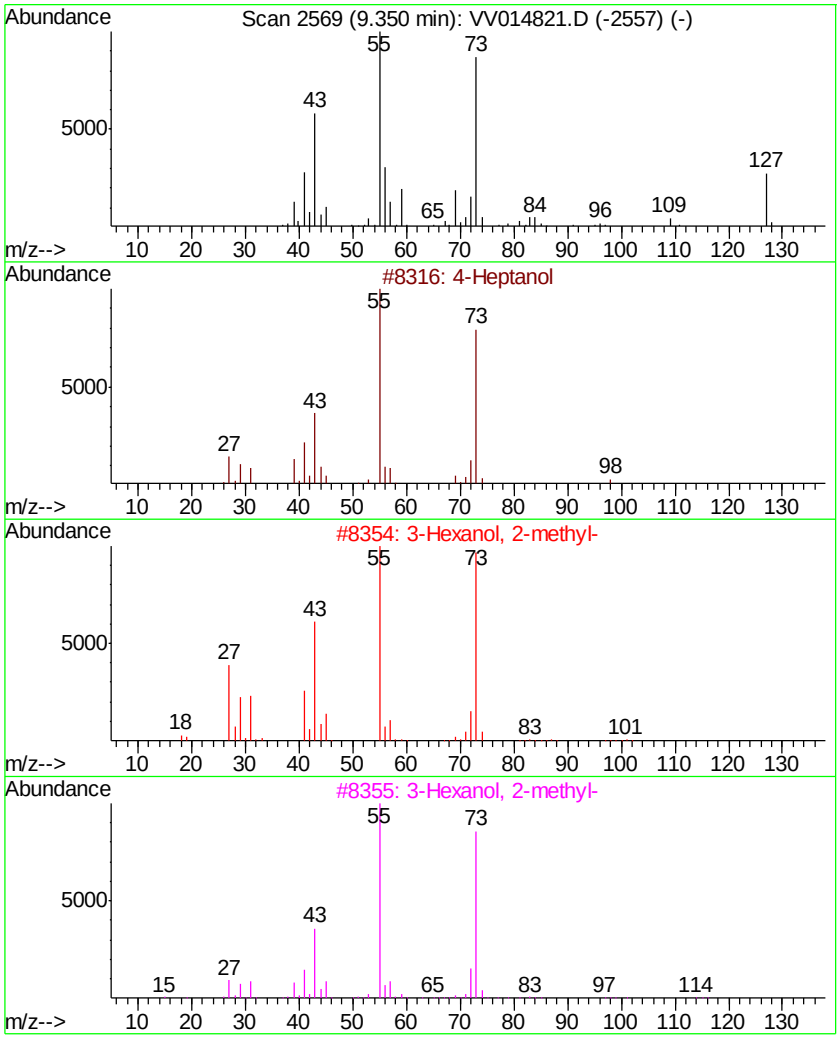
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

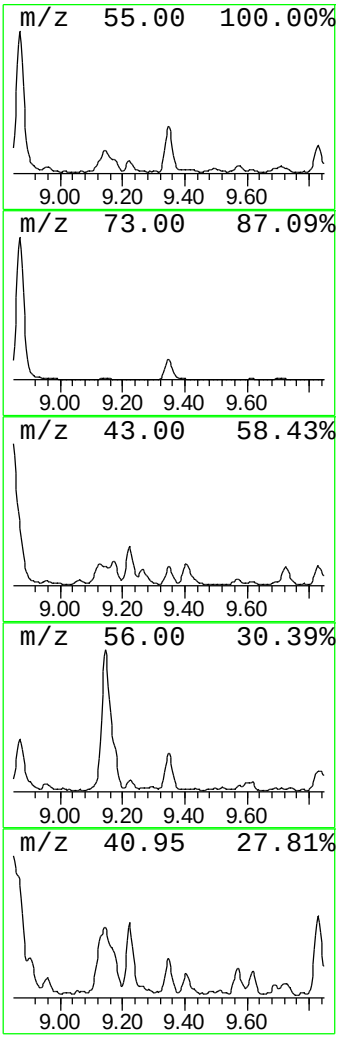
****

Peak Number 9 unknown-01 Concentration Rank 71

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	3.10 ug/L	120138	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanol	116	C7H16O	000589-55-9	38
2	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	35
3	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	32
4	4-Heptanol	116	C7H16O	000589-55-9	32
5	1-Propanol, 2-methyl-2-nitro-	119	C4H9NO3	000076-39-1	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

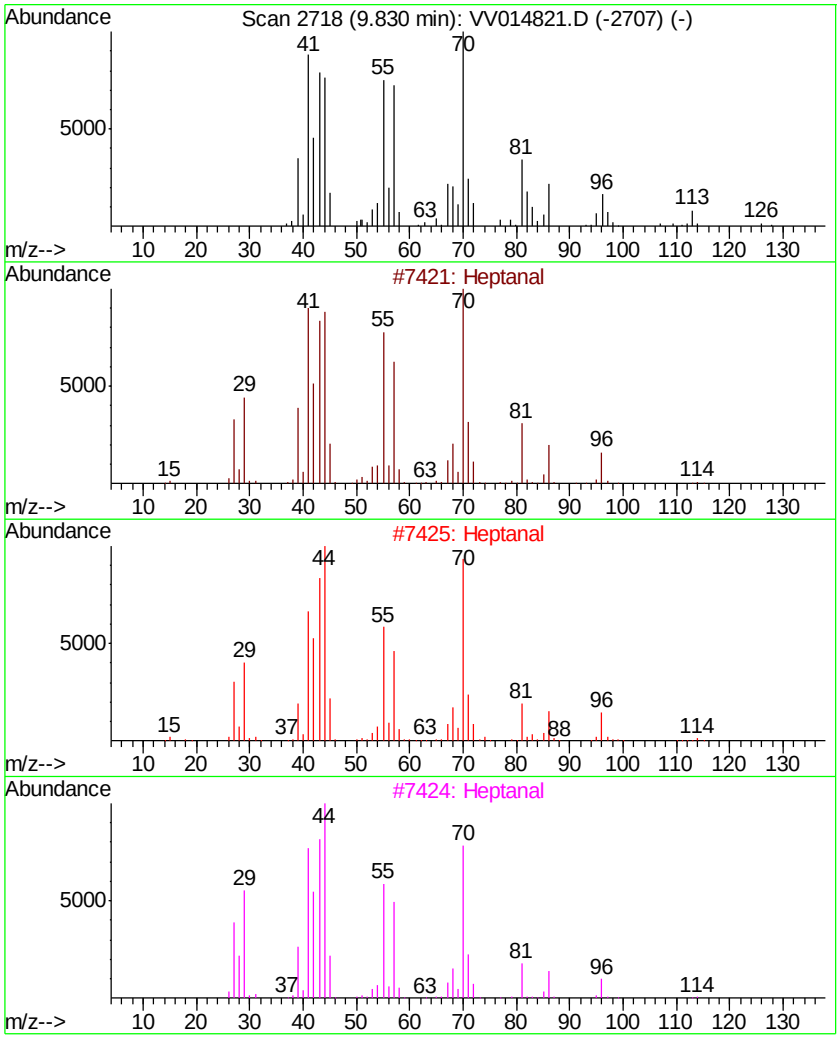
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

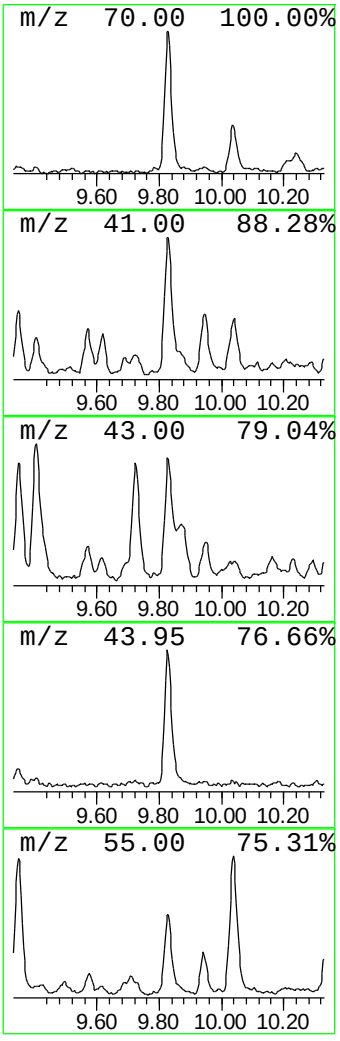
****

Peak Number 10 Heptanal Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.83	5.52 ug/L	214032	Chlorobenzene-d5	8.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	96
2	Heptanal	114	C7H14O	000111-71-7	81
3	Heptanal	114	C7H14O	000111-71-7	80
4	.+/-.-trans-2-Cyclohexene-1,4-diol	114	C6H10O2	041513-32-0	43
5	Azocine, octahydro-	113	C7H15N	001121-92-2	42





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

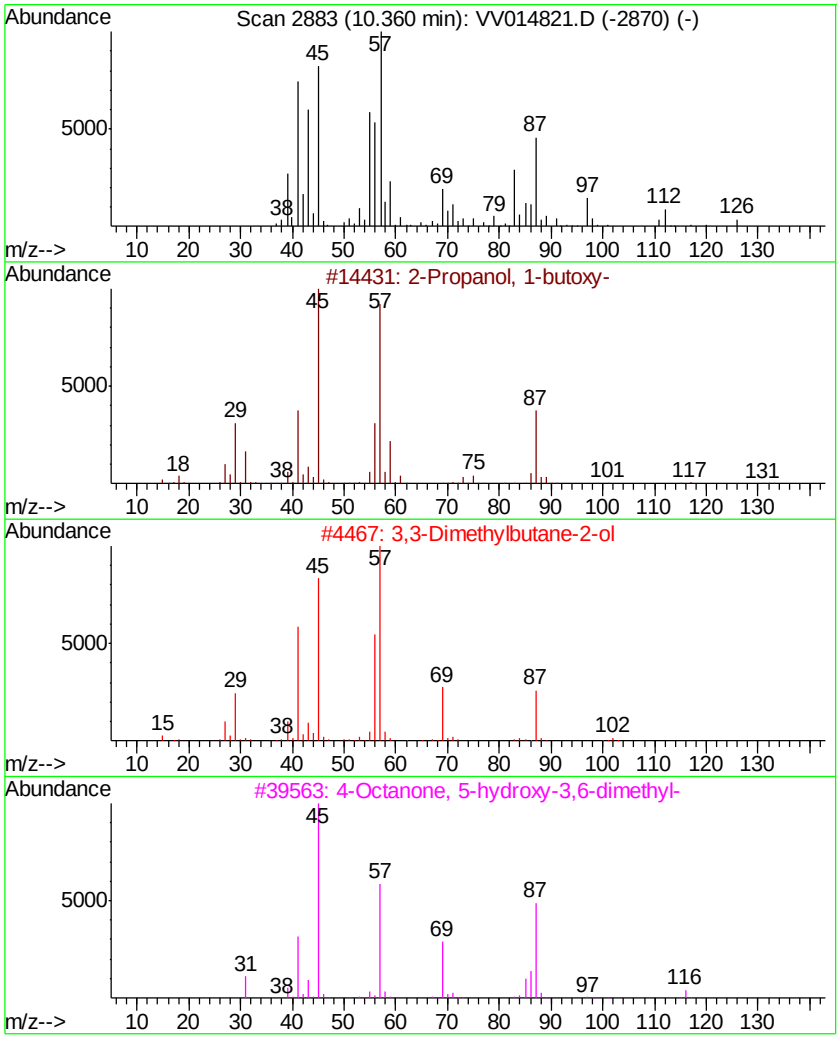
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

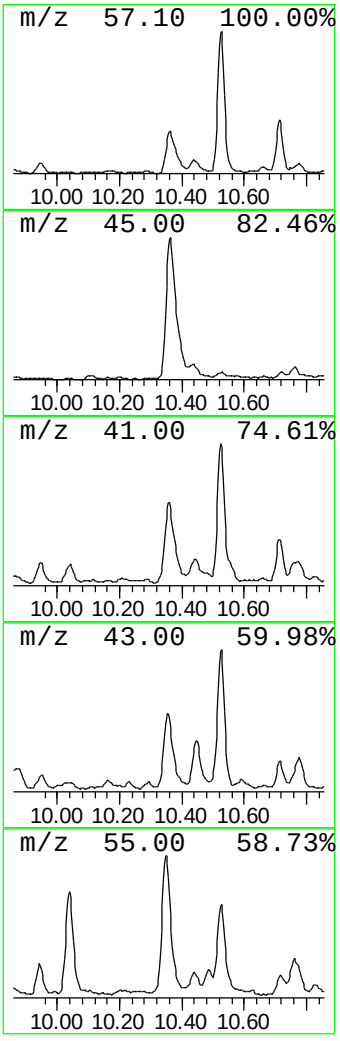
****

Peak Number 11 2-Propanol, 1-butoxy- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.36	16.35 ug/L	422888	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	53
2	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	50
3	4-Octanone, 5-hydroxy-3,6-dimethyl-	172	C10H20O2	062759-47-1	43
4	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	38
5	Hexane, 1-(methoxymethoxy)-	146	C8H18O2	066675-06-7	27





Library Search Compound Report

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Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

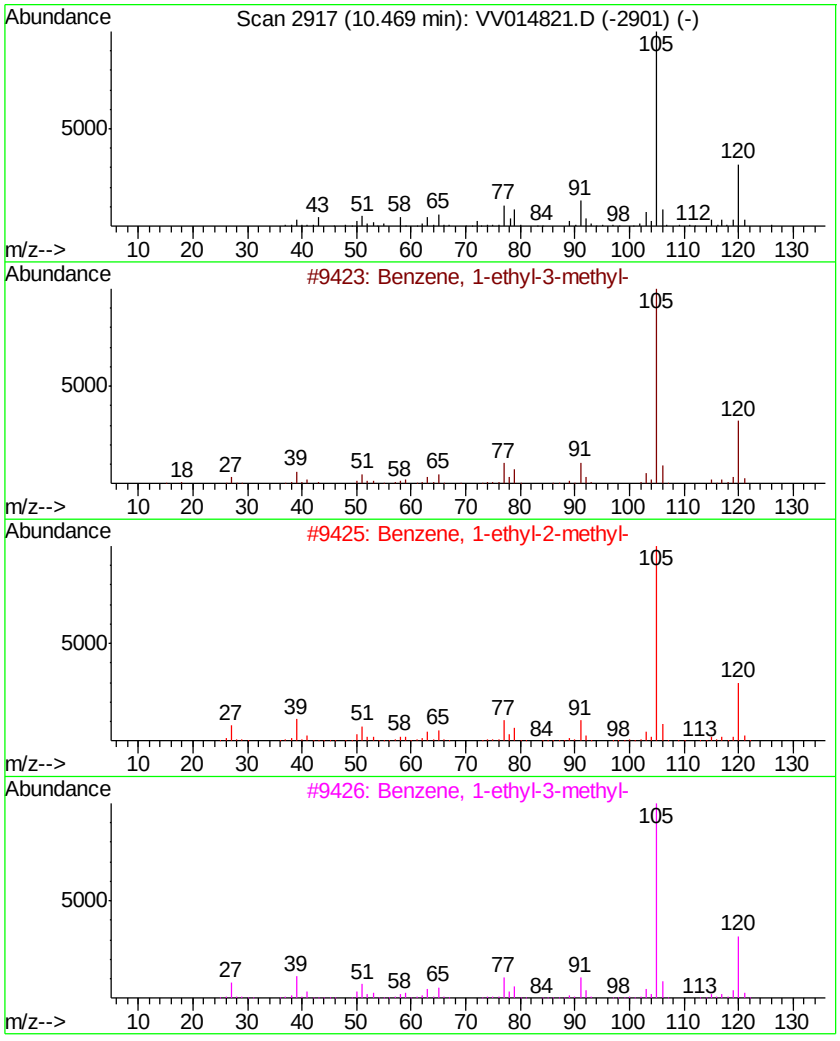
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

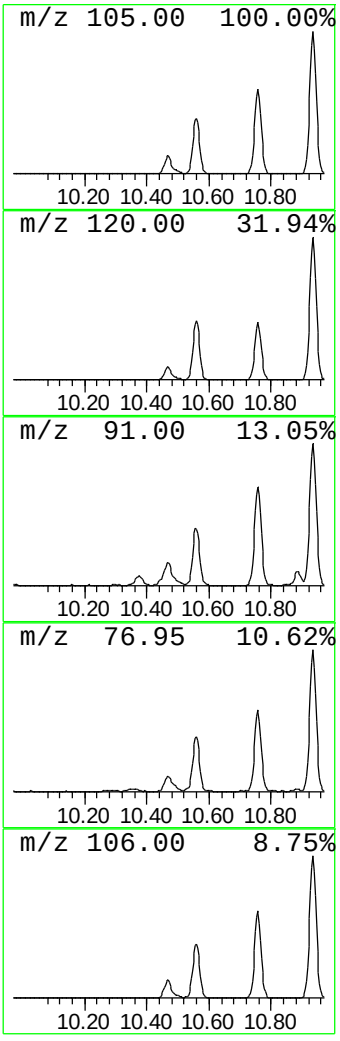
****

Peak Number 12 Benzene, 1-ethyl-3-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	11.35 ug/L	293470	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

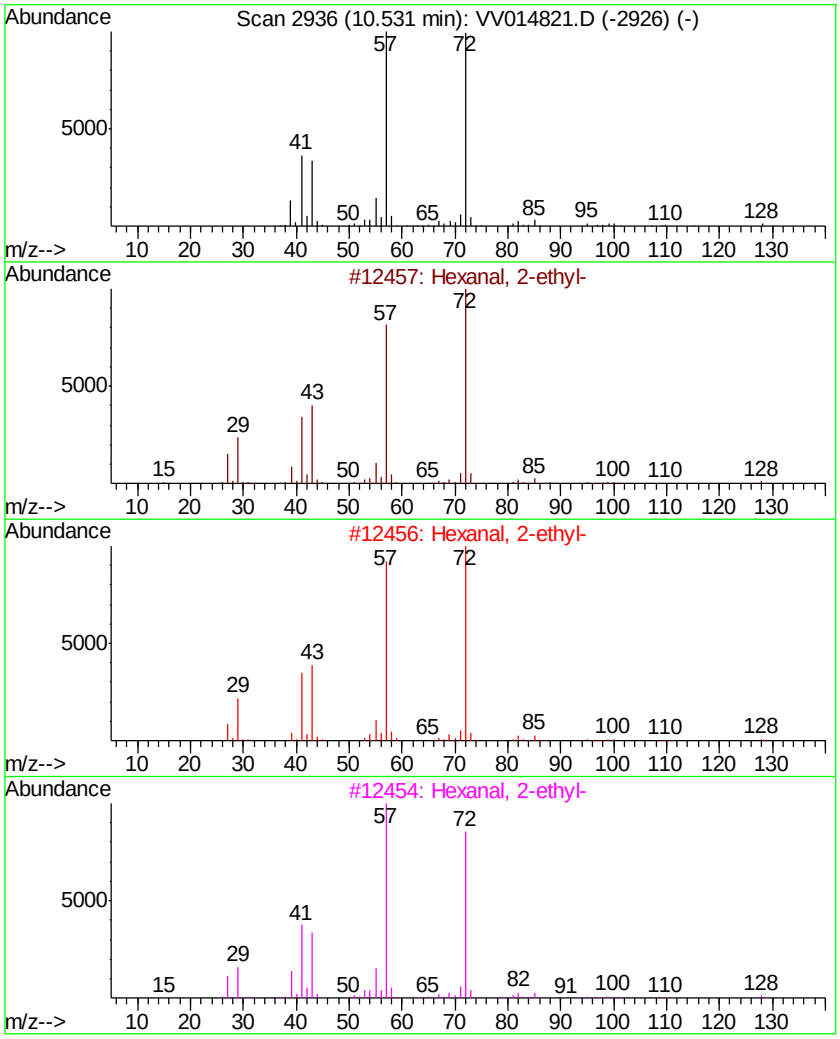
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

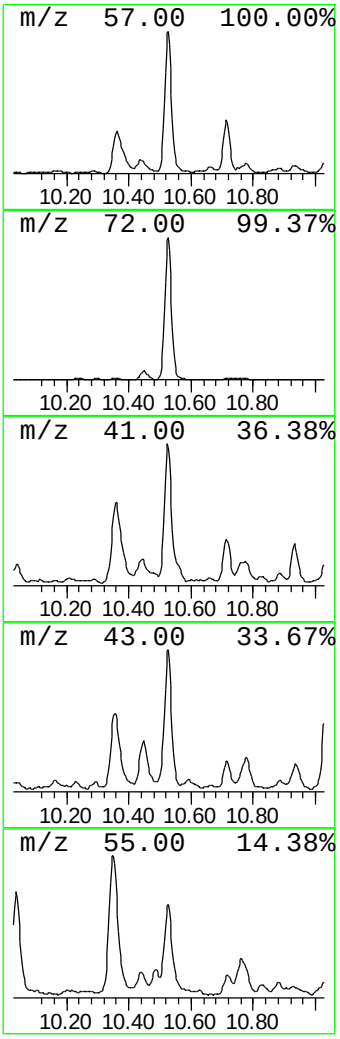
****

Peak Number 13 Hexanal, 2-ethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.53	16.39 ug/L	423830	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal, 2-ethyl-	128	C8H16O	000123-05-7	91
2	Hexanal, 2-ethyl-	128	C8H16O	000123-05-7	91
3	Hexanal, 2-ethyl-	128	C8H16O	000123-05-7	91
4	Butanamine, N-cyclohexylmethyl-1...	211	C14H29N	1000271-47-8	53
5	1,3-Cyclobutanediol, 2,2,4,4-tet...	144	C8H16O2	003010-96-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

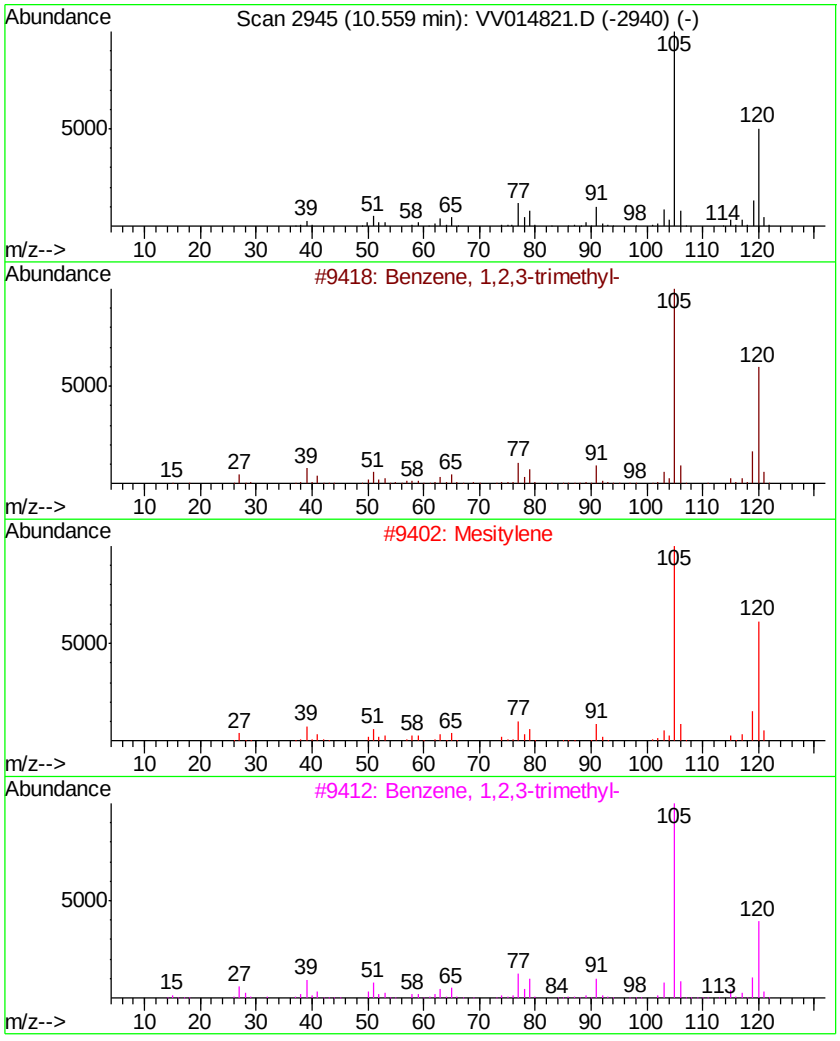
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

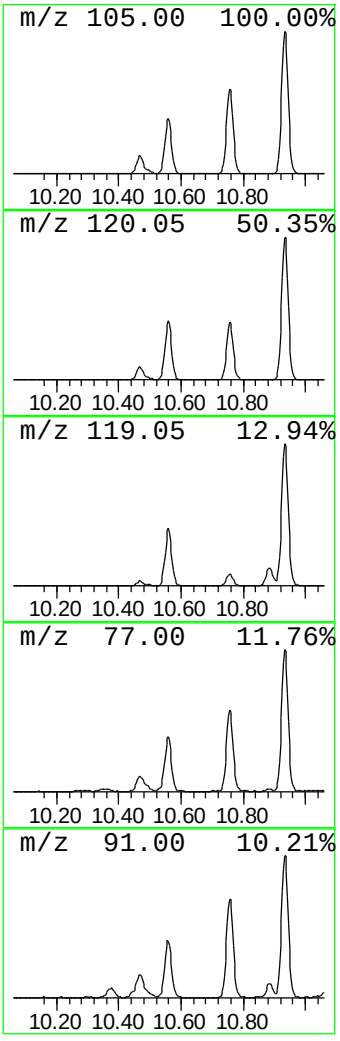
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 1,2,3-trimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	17.65 ug/L	456445	1,4-Dichlorobenzene-d4	11.27

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	97
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Mesitylene	120	C9H12	000108-67-8	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

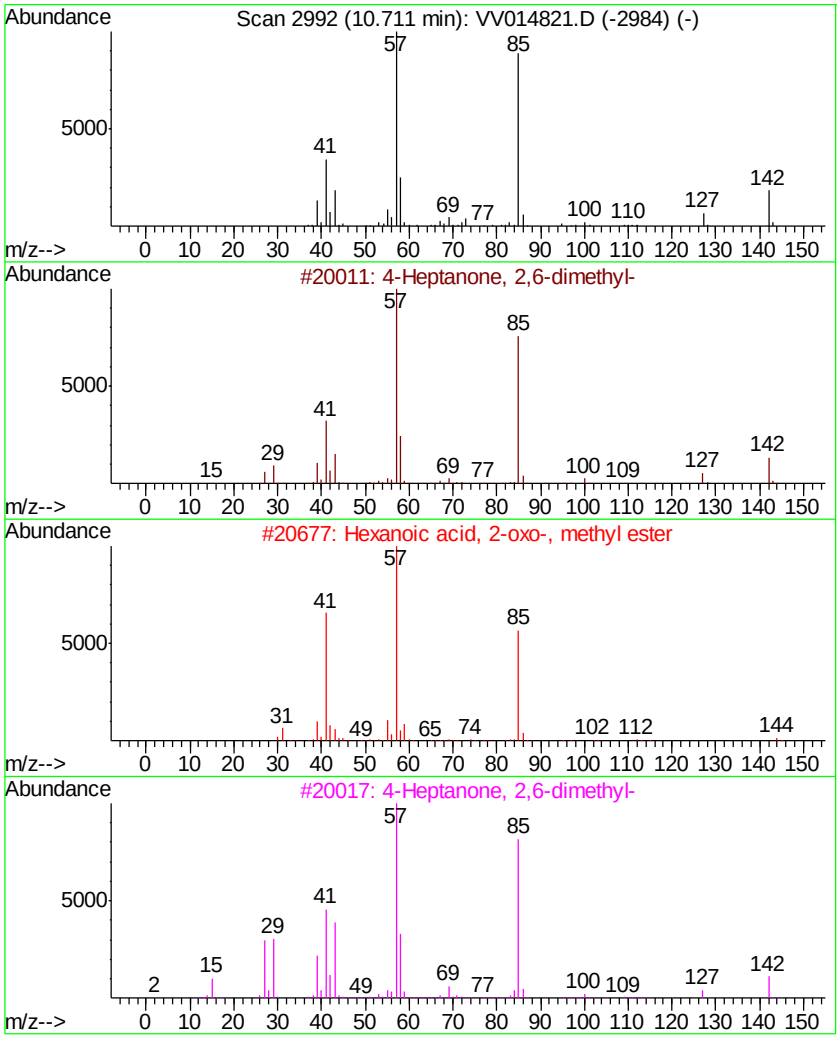
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

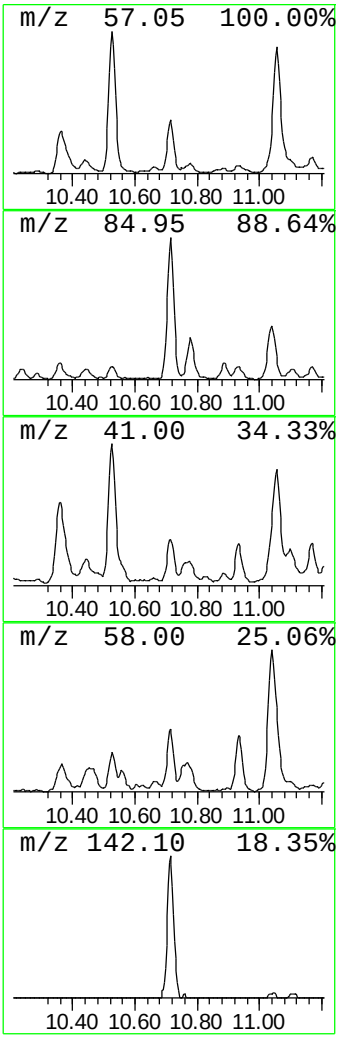
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 4-Heptanone, 2,6-dimethyl- Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.71	5.63 ug/L	145541	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	90
2	Hexanoic acid, 2-oxo-, methyl ester	144	C7H12O3	006395-83-1	53
3	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	50
4	3-Buten-2-ol, 2,3-dimethyl-	100	C6H12O	010473-13-9	50
5	2,4-Hexanedione, 5,5-dimethyl-	142	C8H14O2	007307-04-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

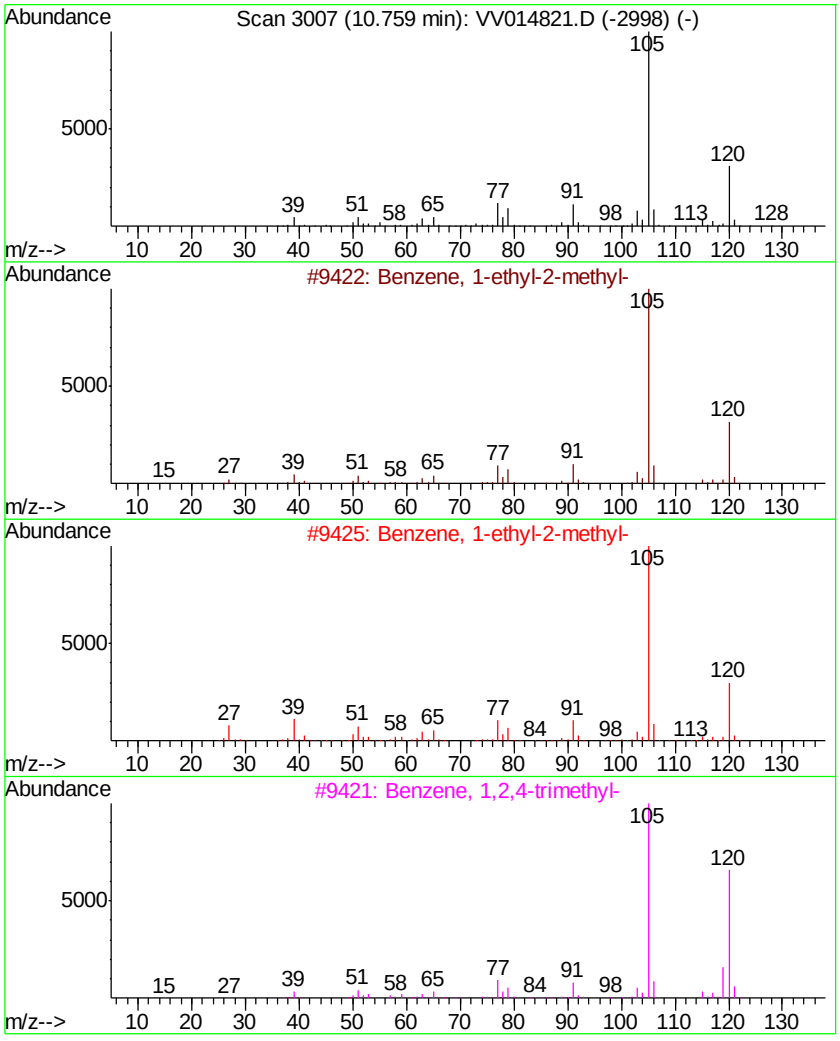
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

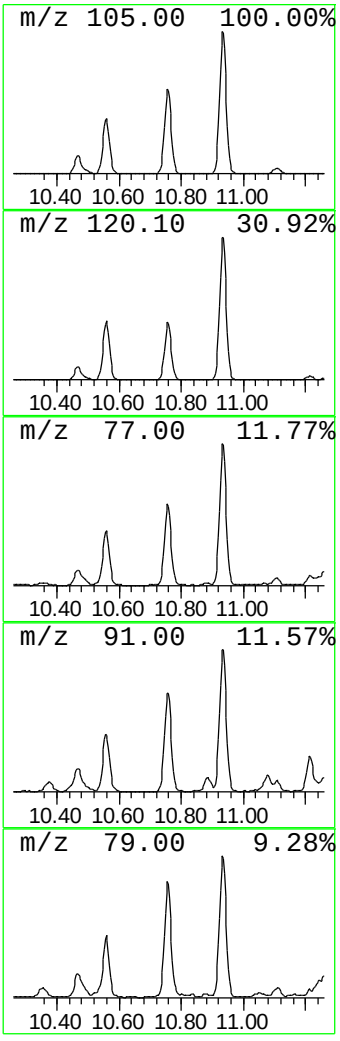
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benzene, 1-ethyl-2-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	28.53 ug/L	737895	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

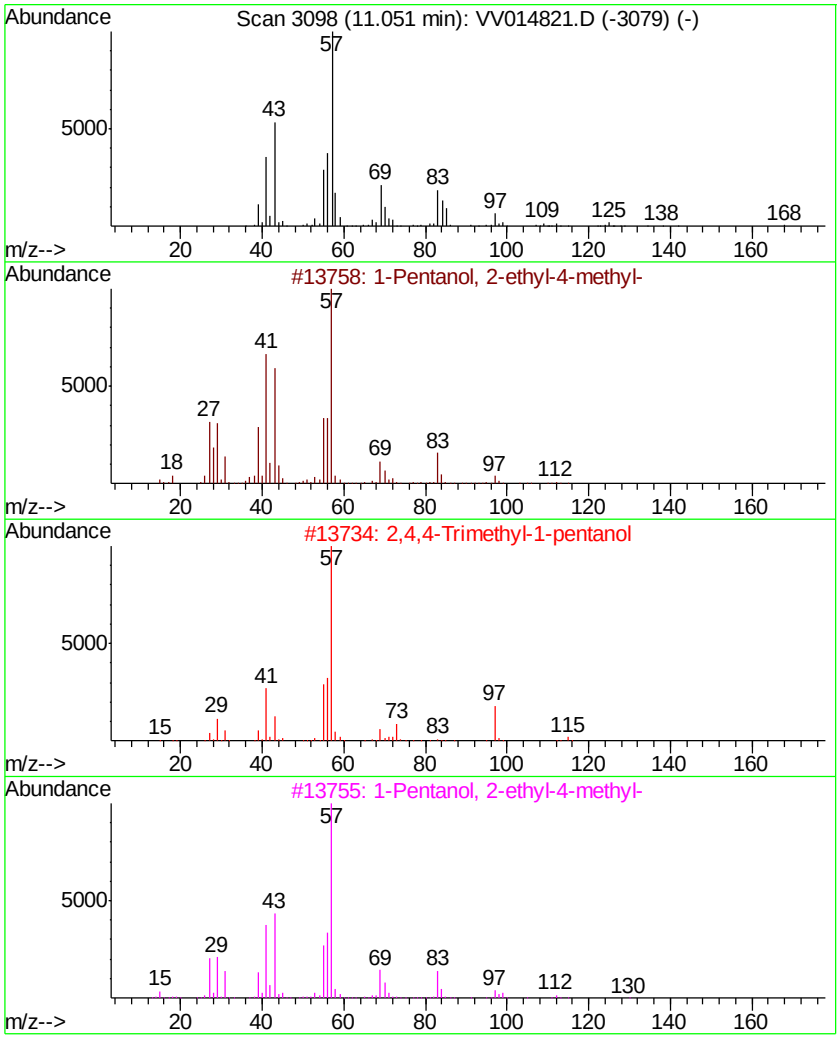
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

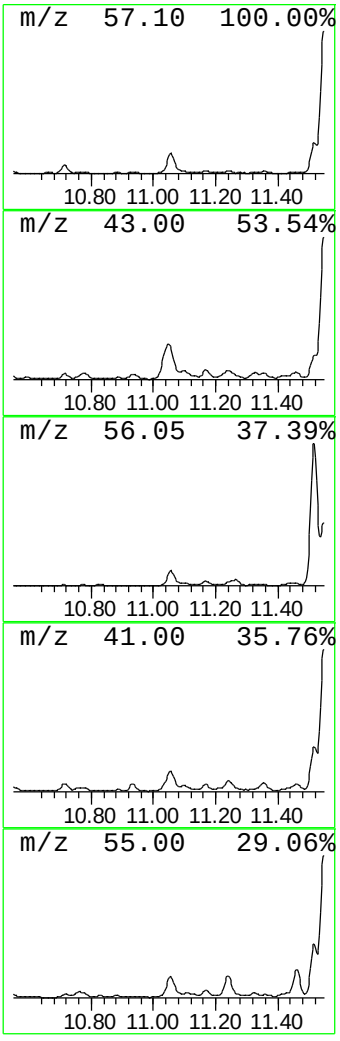
****

Peak Number 18 1-Pentanol, 2-ethyl-4-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	22.93 ug/L	592988	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	50
2	2,4,4-Trimethyl-1-pentanol	130	C8H18O	016325-63-6	43
3	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	40
4	2,4,4-Trimethyl-1-pentanol	130	C8H18O	016325-63-6	37
5	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

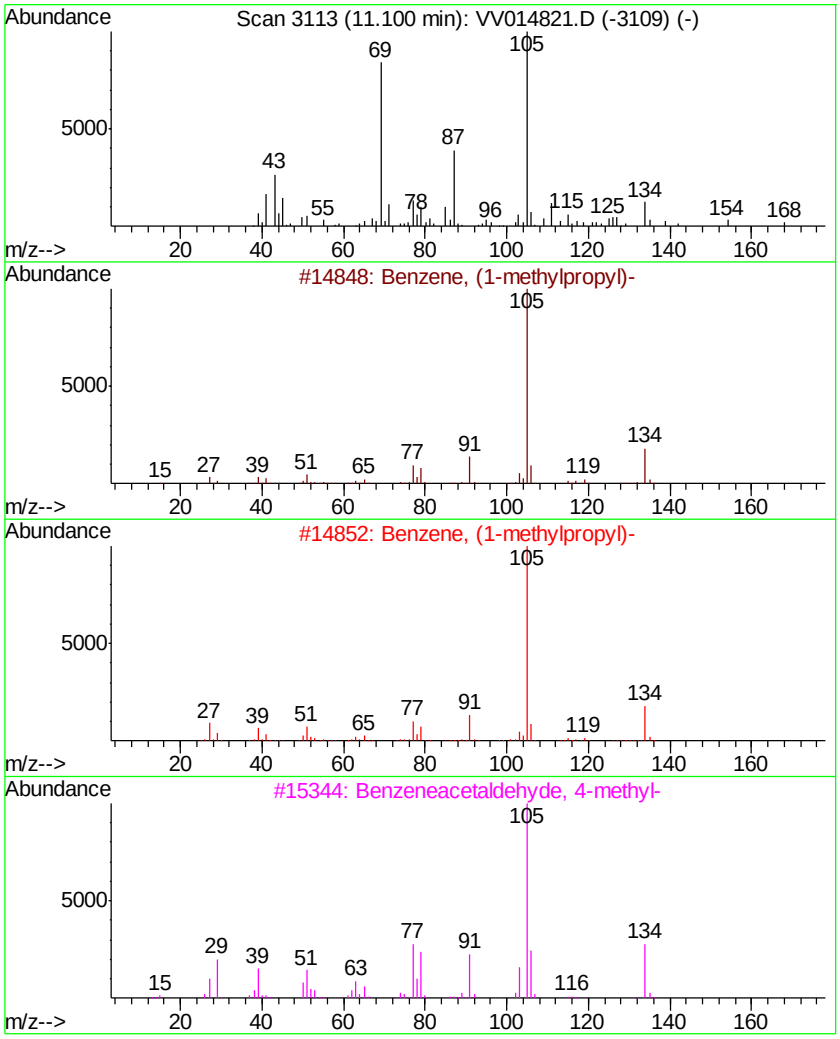
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

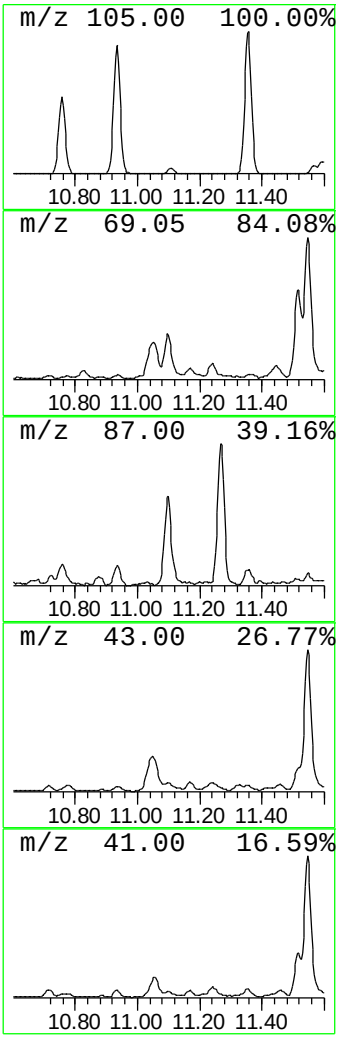
****

Peak Number 19 unknown-02 Concentration Rank 65

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	4.56 ug/L	117824	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	38
2	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	38
3	Benzeneacetaldehyde, 4-methyl-	134	C9H10O	000104-09-6	30
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	30
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

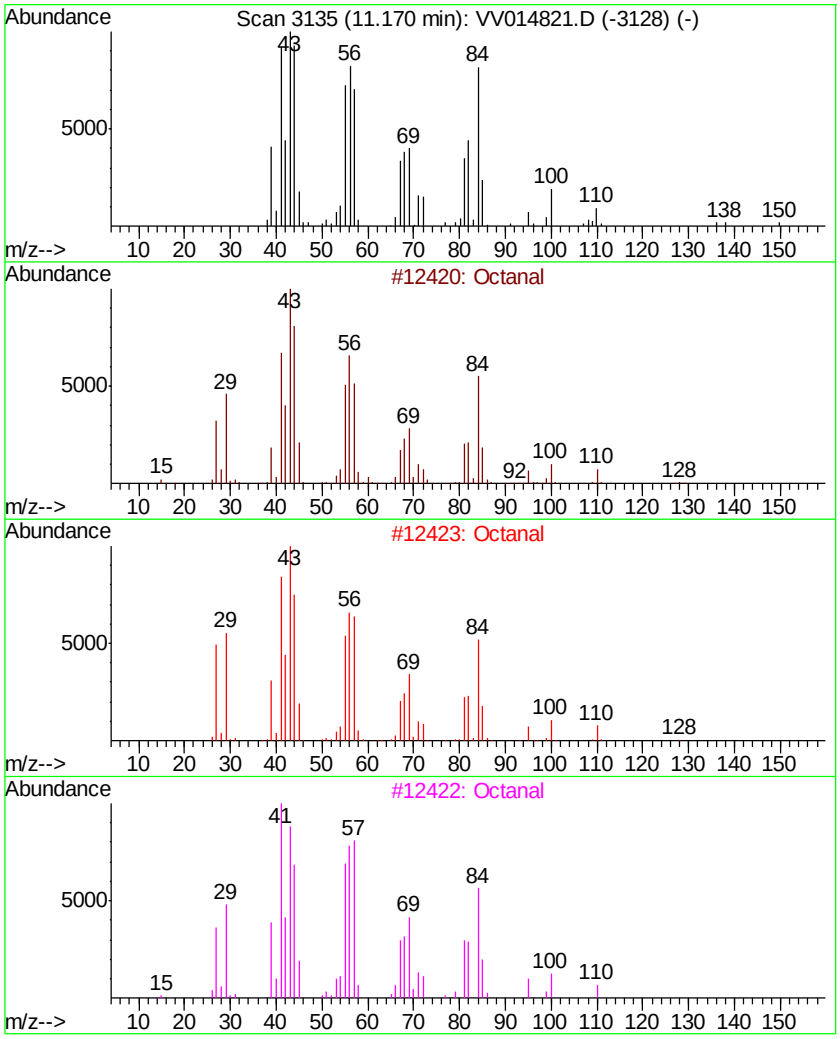
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

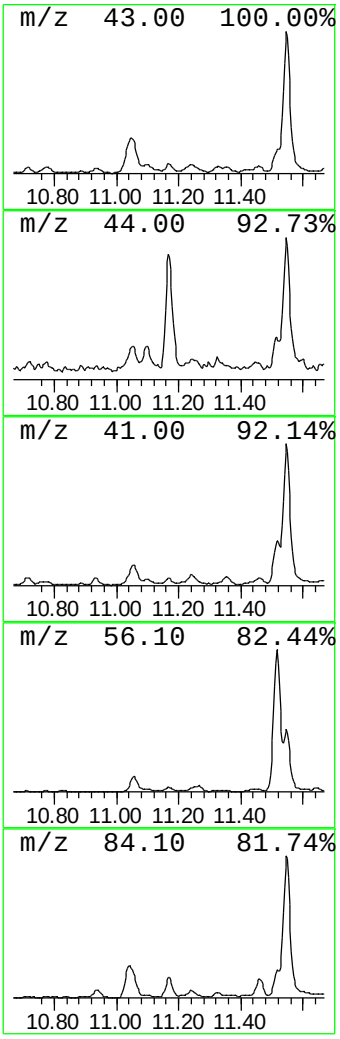
****

Peak Number 20 Octanal Concentration Rank 70

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	3.17 ug/L	82055	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	59
2	Octanal	128	C8H16O	000124-13-0	59
3	Octanal	128	C8H16O	000124-13-0	58
4	Octanal	128	C8H16O	000124-13-0	43
5	Cyclopentanone, 2-ethyl-	112	C7H12O	004971-18-0	38





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Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

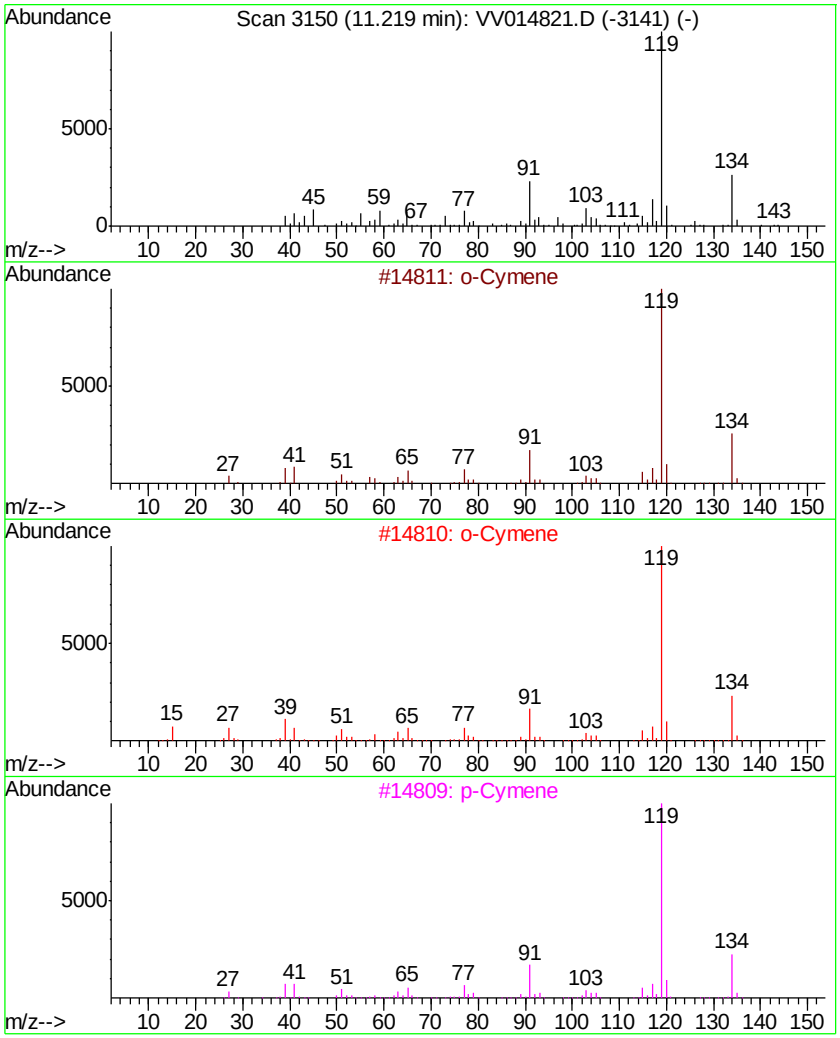
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

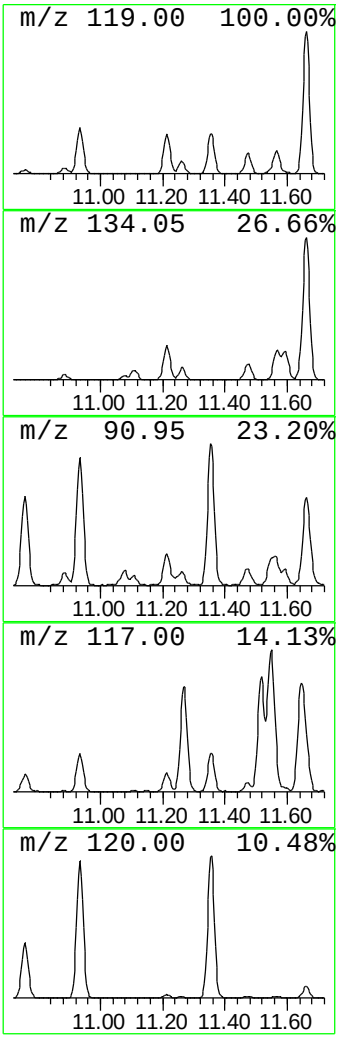
****

Peak Number 21 o-Cymene Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	4.71 ug/L	121931	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	p-Cymene	134	C10H14	000099-87-6	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93





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Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

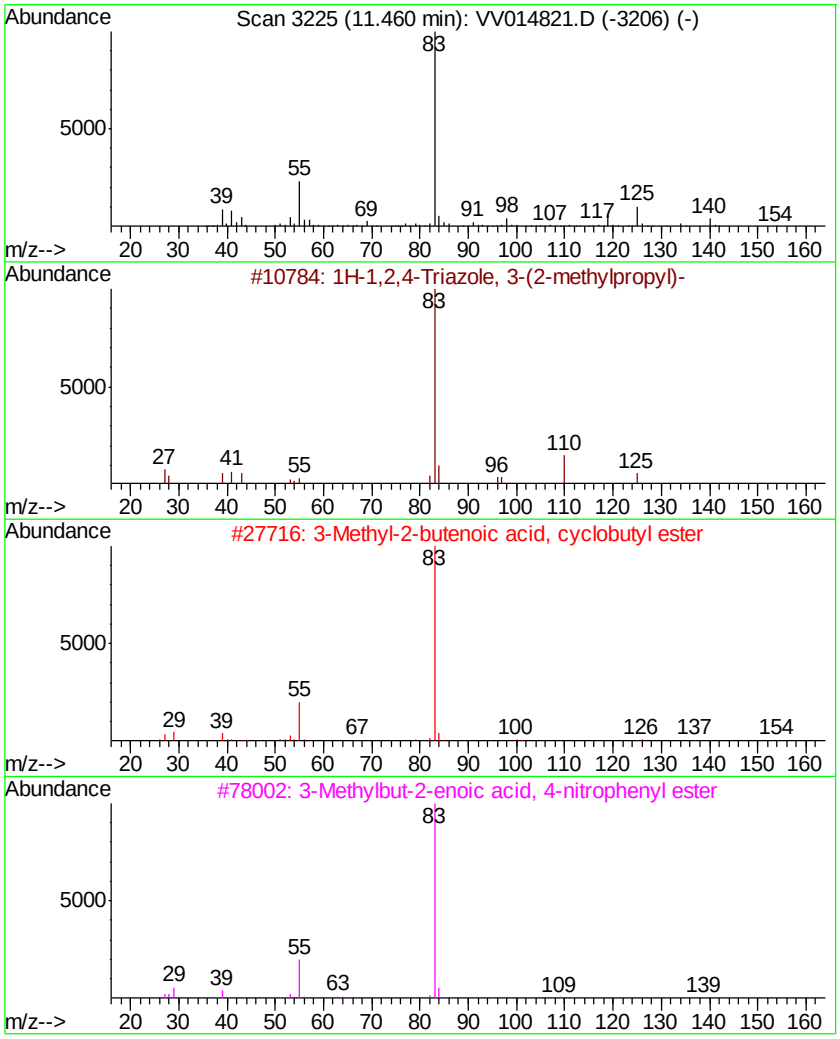
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

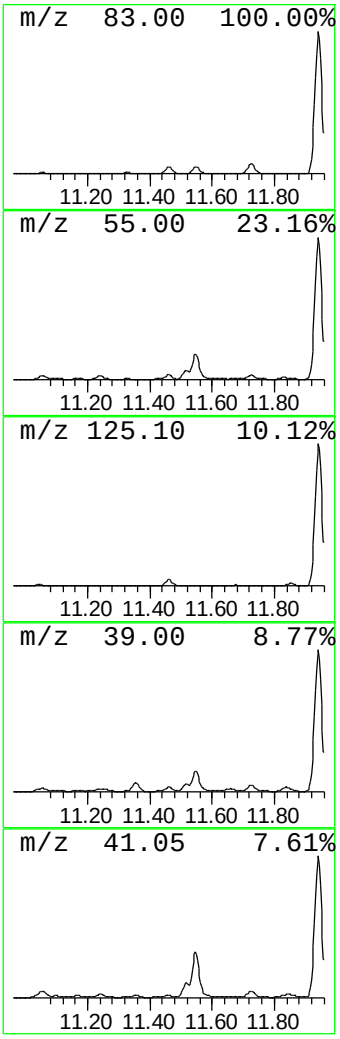
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 1H-1,2,4-Triazole, 3-(2-met... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	16.17 ug/L	418290	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-1,2,4-Triazole, 3-(2-methylpr...	125	C6H11N3	040515-29-5	59
2	3-Methyl-2-butenoic acid, cyclob...	154	C9H14O2	1000282-89-1	58
3	3-Methylbut-2-enoic acid, 4-nitr...	221	C11H11NO4	1000307-59-8	42
4	3-Aminopyrazole	83	C3H5N3	001820-80-0	42
5	1,5-Heptadien-4-one, 3,3,6-trime...	152	C10H16O	000546-49-6	42





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

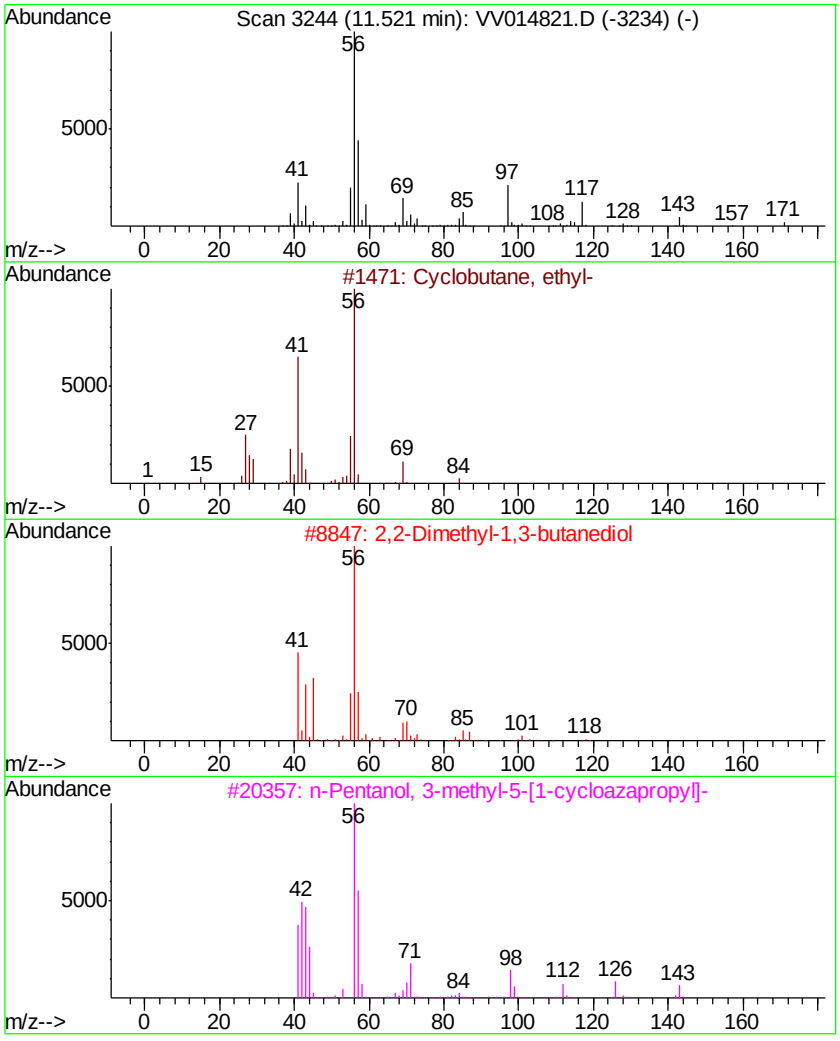
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

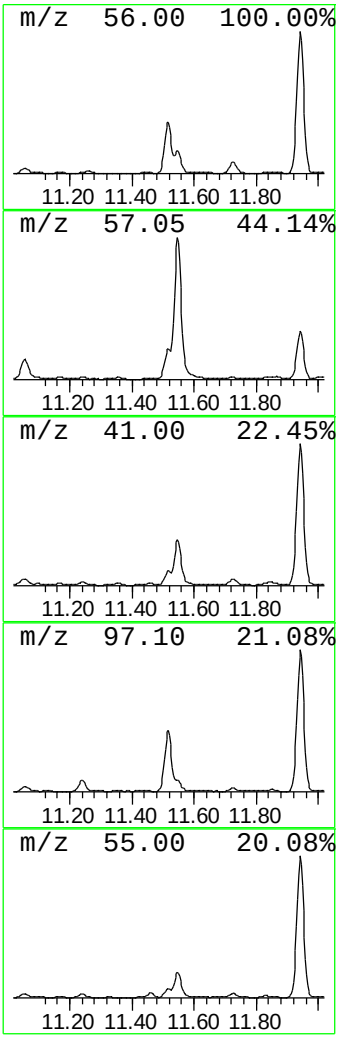
****

Peak Number 24 (DEL) Alkane: Cyclic11.52 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.52	37.85 ug/L	979021	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, ethyl-	84	C6H12	004806-61-5	47
2	2,2-Dimethyl-1,3-butanediol	118	C6H14O2	000076-35-7	40
3	n-Pentanol, 3-methyl-5-[1-cycloa...	143	C8H17NO	1000251-59-9	28
4	Nonane, 5-methylene-	140	C10H20	006795-79-5	28
5	3,3,4,4-Tetramethyl-cyclopentanone	140	C9H16O	056077-22-6	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

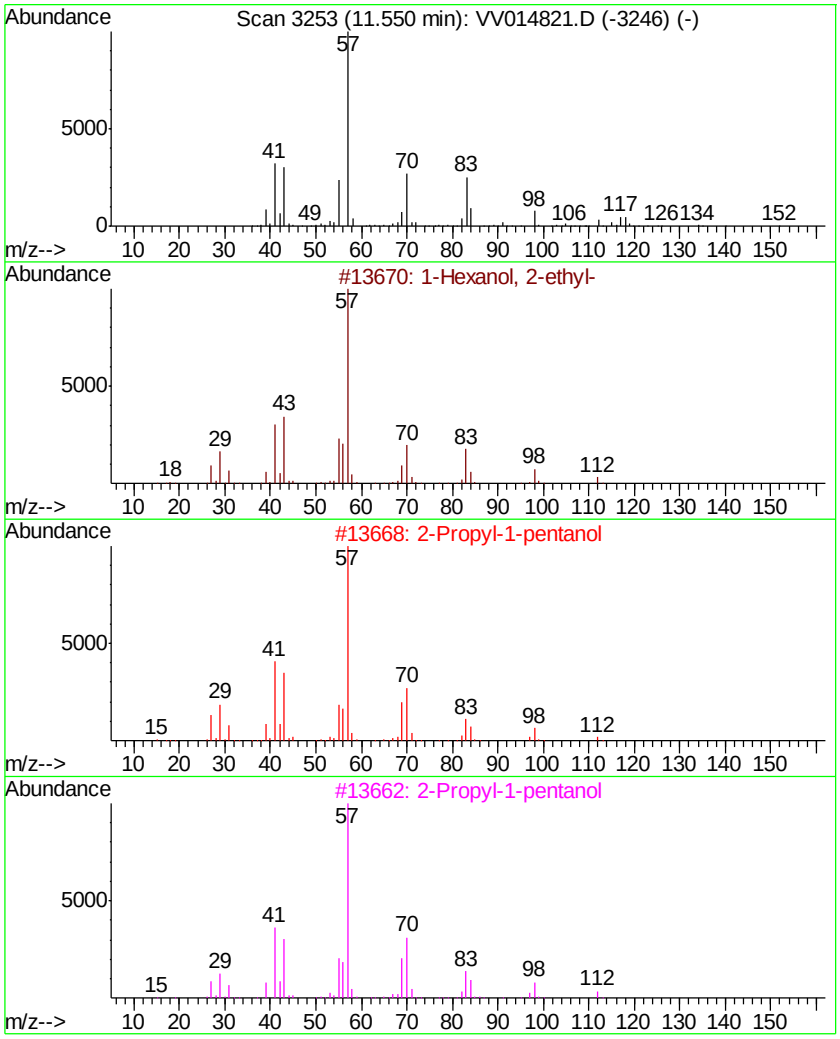
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

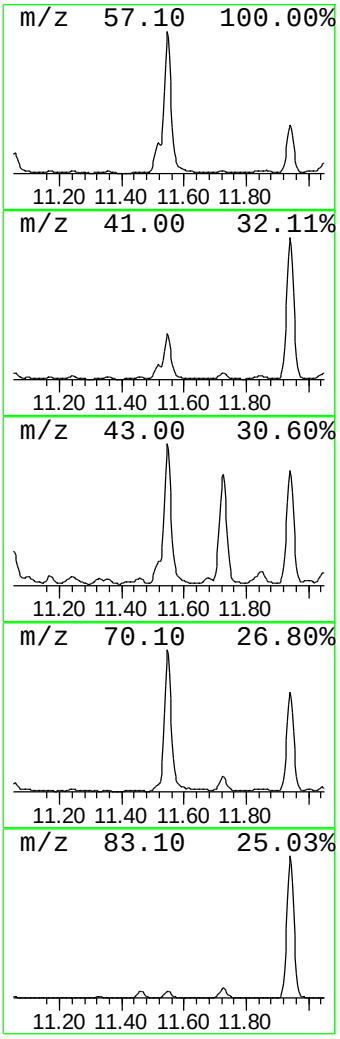
****

Peak Number 25 1-Hexanol, 2-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	100.52 ug/L	2599900	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	56
2	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	53
3	2-Propyl-1-pentanol	130	C8H18O	058175-57-8	53
4	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	50
5	2-Ethyl-1-hexanol, pentafluoropr...	276	C11H17F5O2	1000365-51-1	43





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Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

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

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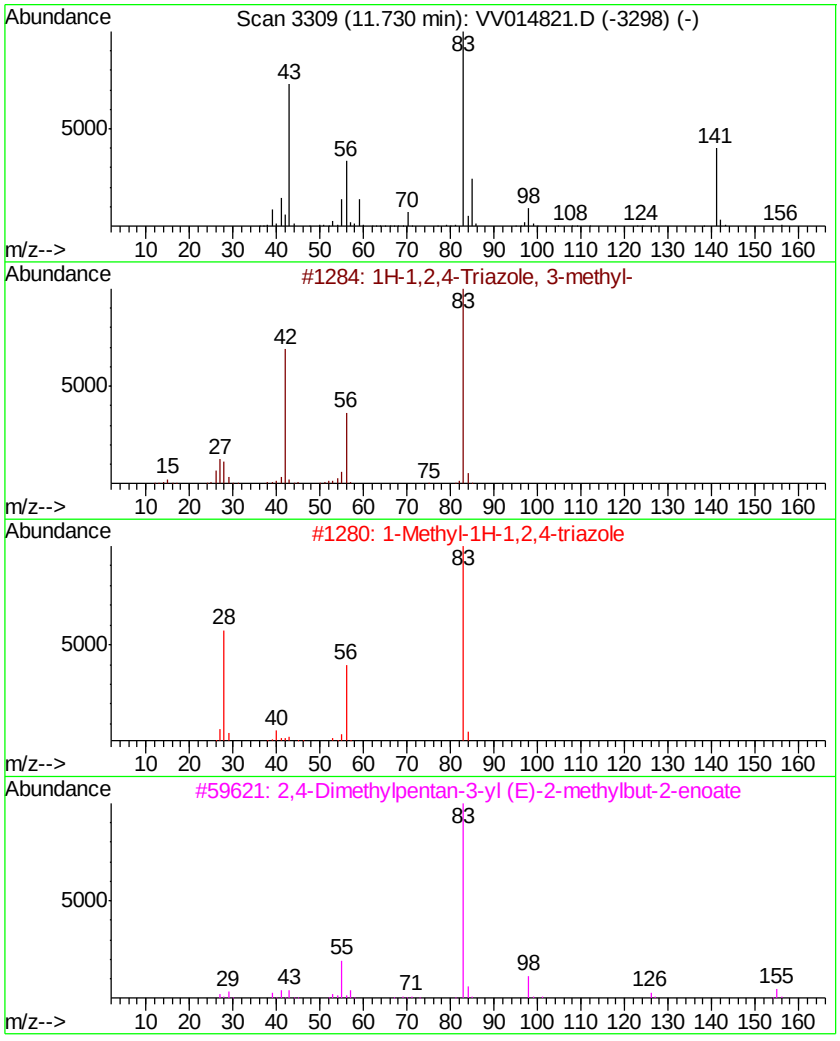
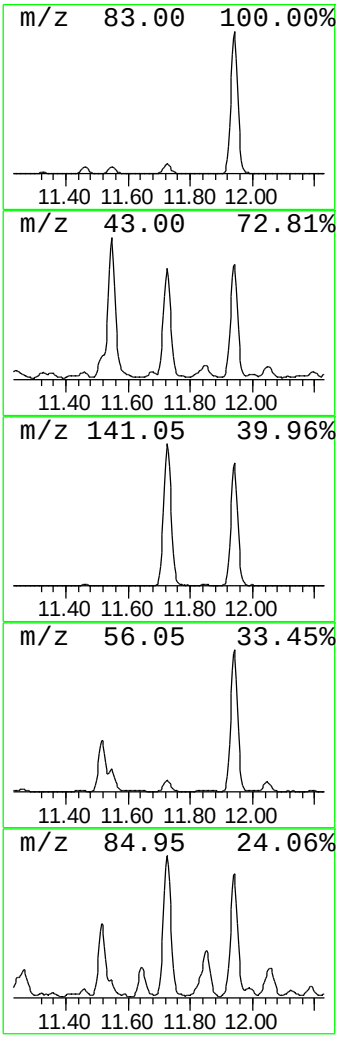
Peak Number 26 unknown-03 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	31.12 ug/L	804914	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-1,2,4-Triazole, 3-methyl-	83	C3H5N3	007170-01-6	32
2	1-Methyl-1H-1,2,4-triazole	83	C3H5N3	006086-21-1	32
3	2,4-Dimethylpentan-3-yl (E)-2-me...	198	C12H22O2	1000373-75-5	17
4	1-Pentanol, 2,3-dimethyl-	116	C7H16O	010143-23-4	12
5	4(1H)-Pyridinone, tetrahydro-1,3...	141	C8H15NO	1000318-97-5	9





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

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

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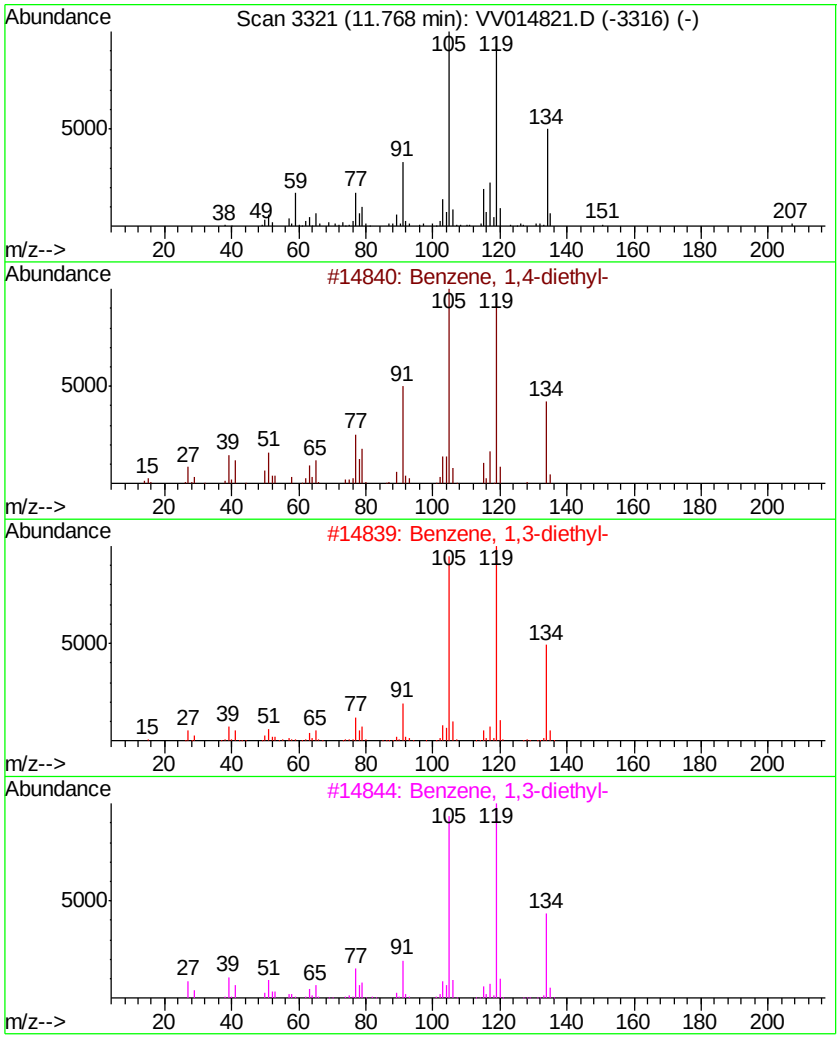
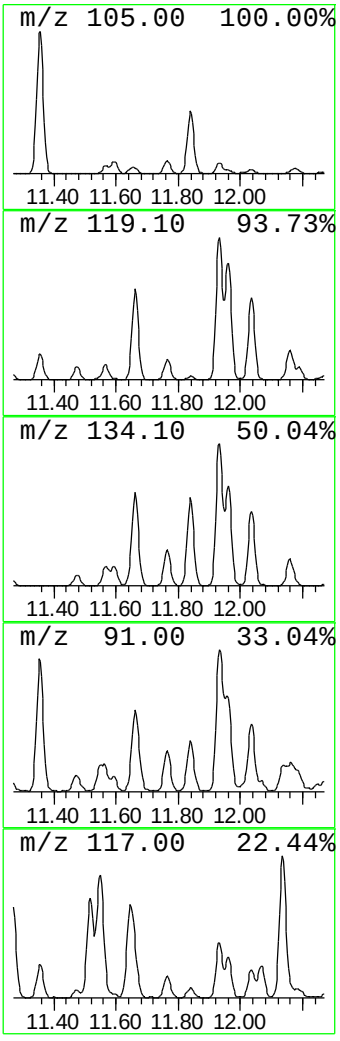
Peak Number 27 Benzene, 1,4-diethyl- Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	7.88 ug/L	203881	1,4-Dichlorobenzene-d4	11.27

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

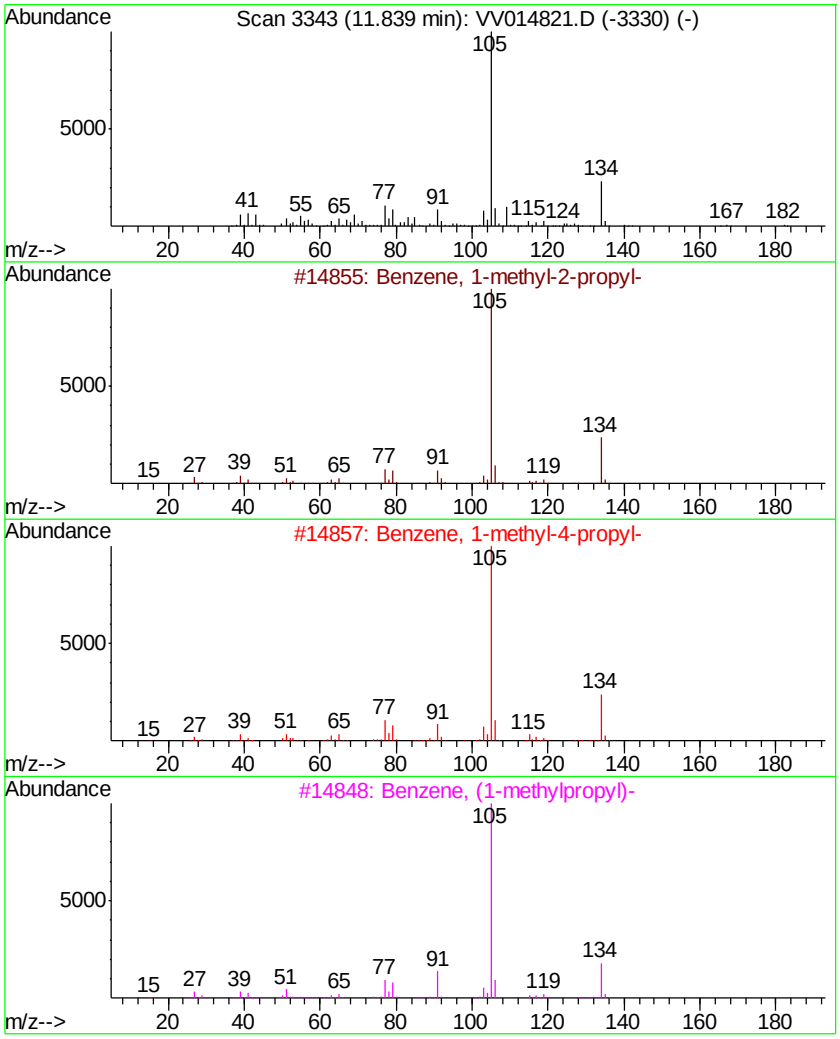
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

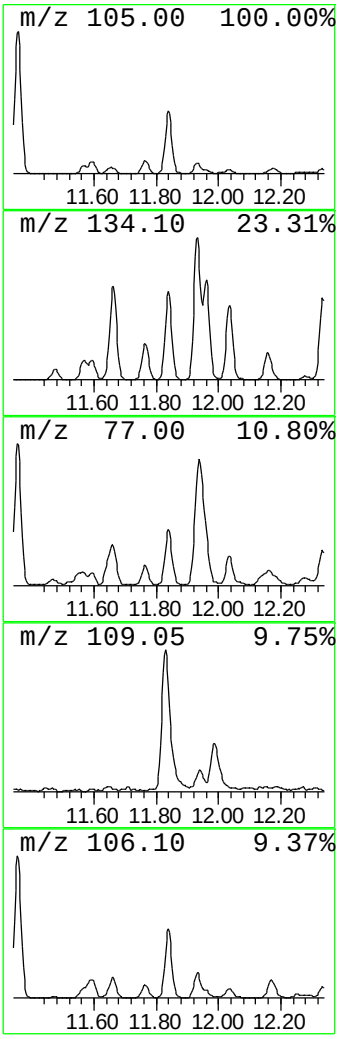
****

Peak Number 28 Benzene, 1-methyl-2-propyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	34.95 ug/L	903945	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	93
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	93
3	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	76
4	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	76
5	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	76





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

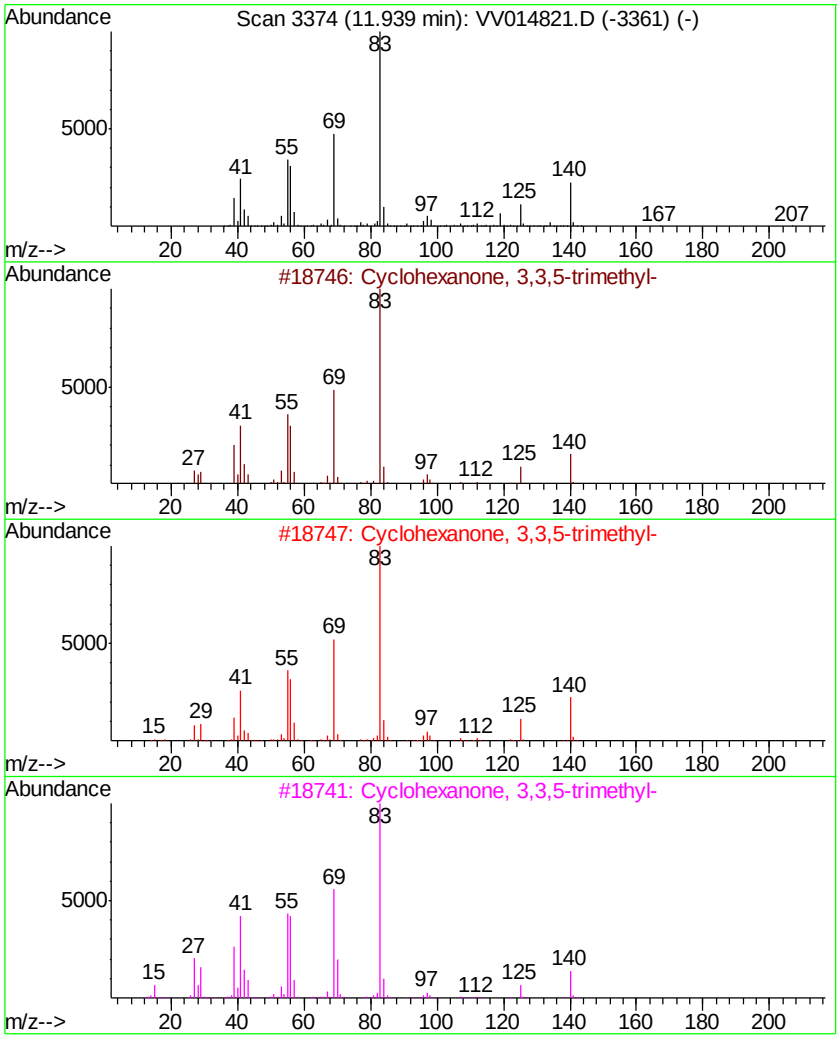
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

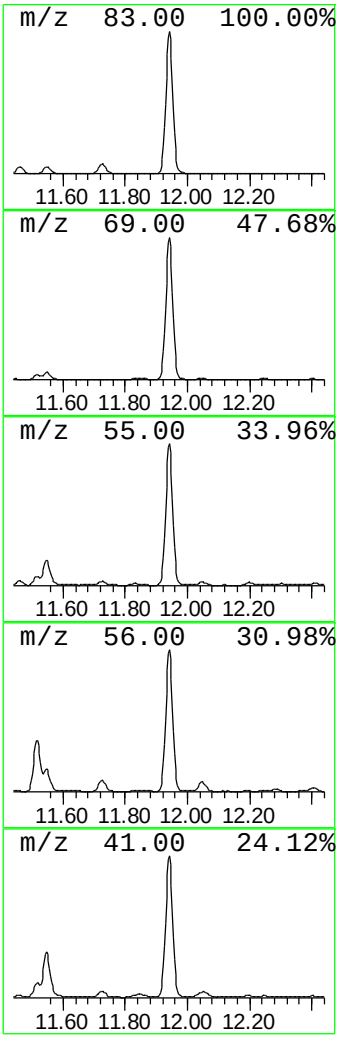
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Cyclohexanone, 3,3,5-trimet... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	510.40 ug/L	13201800	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	96
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	1-Methyl-1H-1,2,4-triazole	83	C3H5N3	006086-21-1	50





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

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

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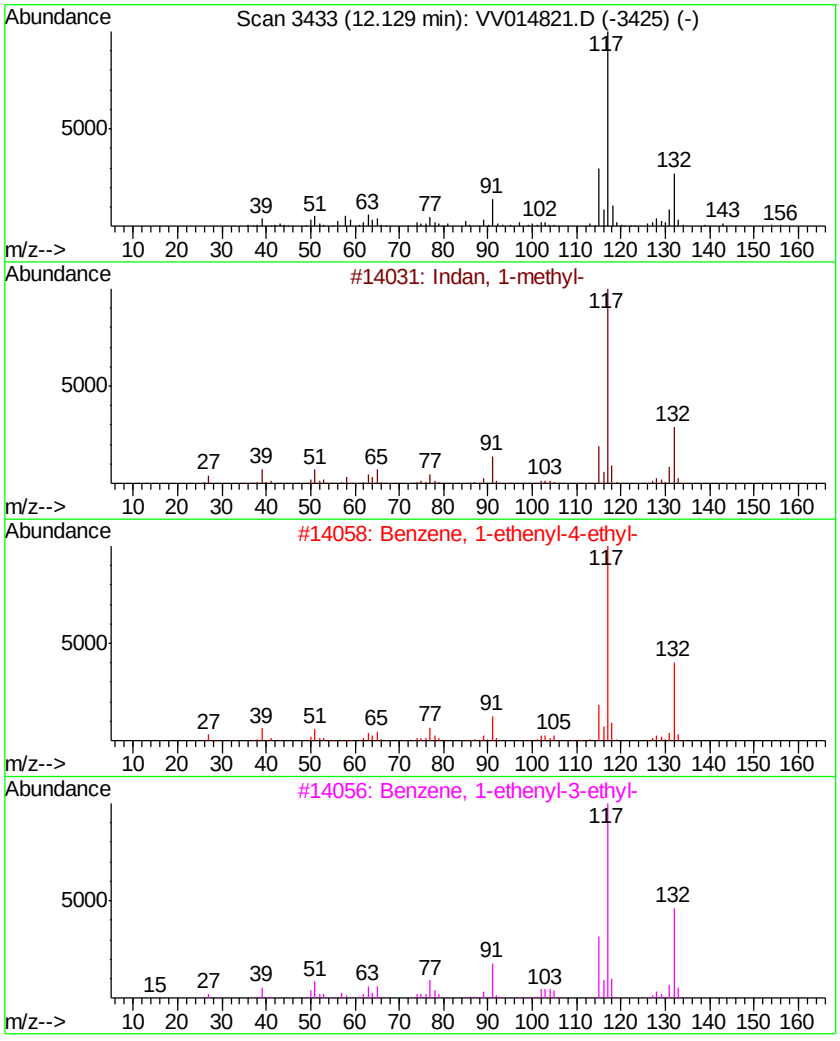
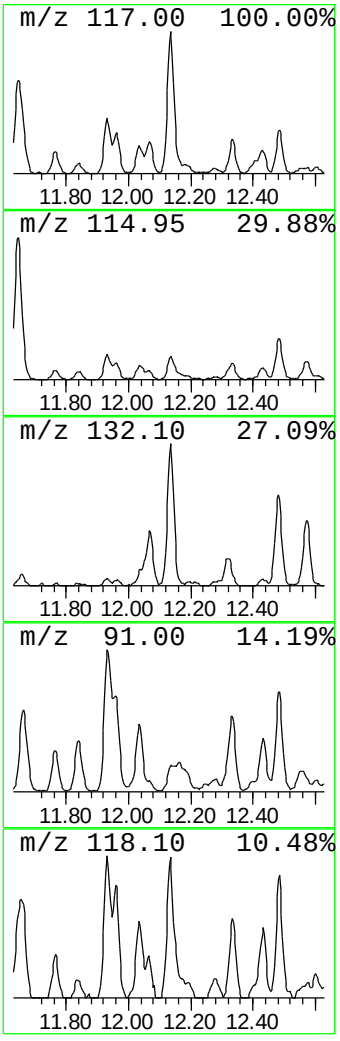
Peak Number 31 Indan, 1-methyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	7.02 ug/L	181666	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	83





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

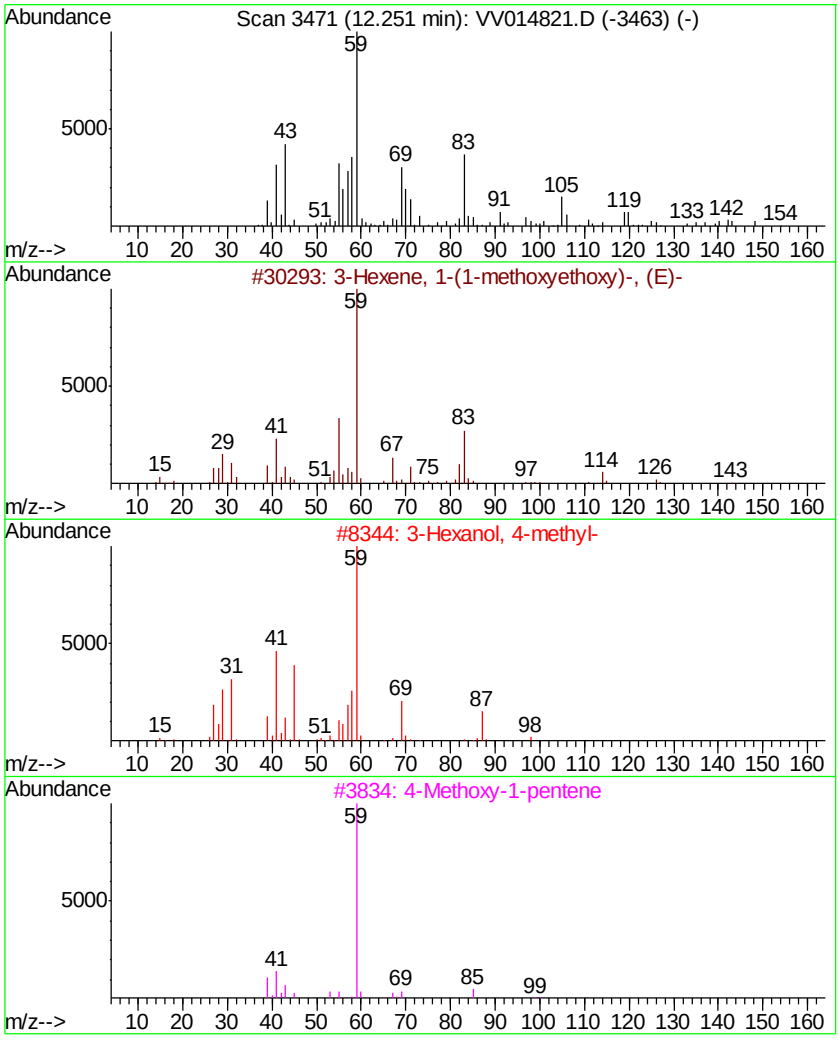
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

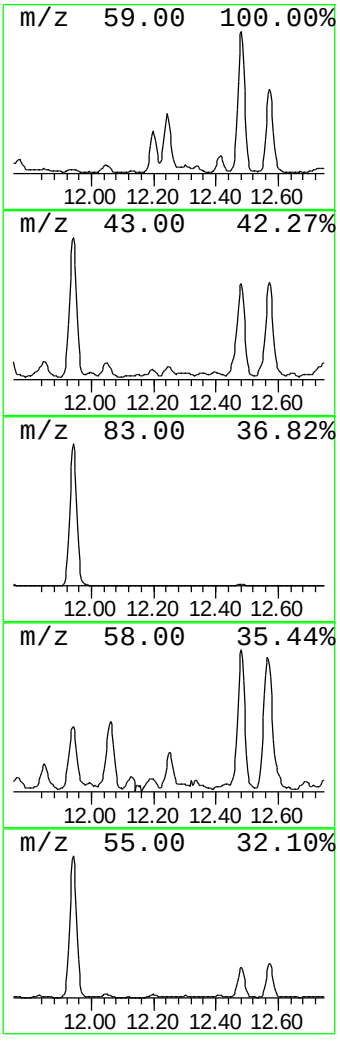
****

Peak Number 32 3-Hexene, 1-(1-methoxyethox... Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	4.56 ug/L	118012	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, 1-(1-methoxyethoxy)-, ...	158	C9H18O2	054340-97-5	53
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	47
3	4-Methoxy-1-pentene	100	C6H12O	098386-09-5	43
4	3-Hexanol, 4-ethyl-	130	C8H18O	019780-44-0	42
5	3,3-Dimethylglutaric acid	160	C7H12O4	004839-46-7	40





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

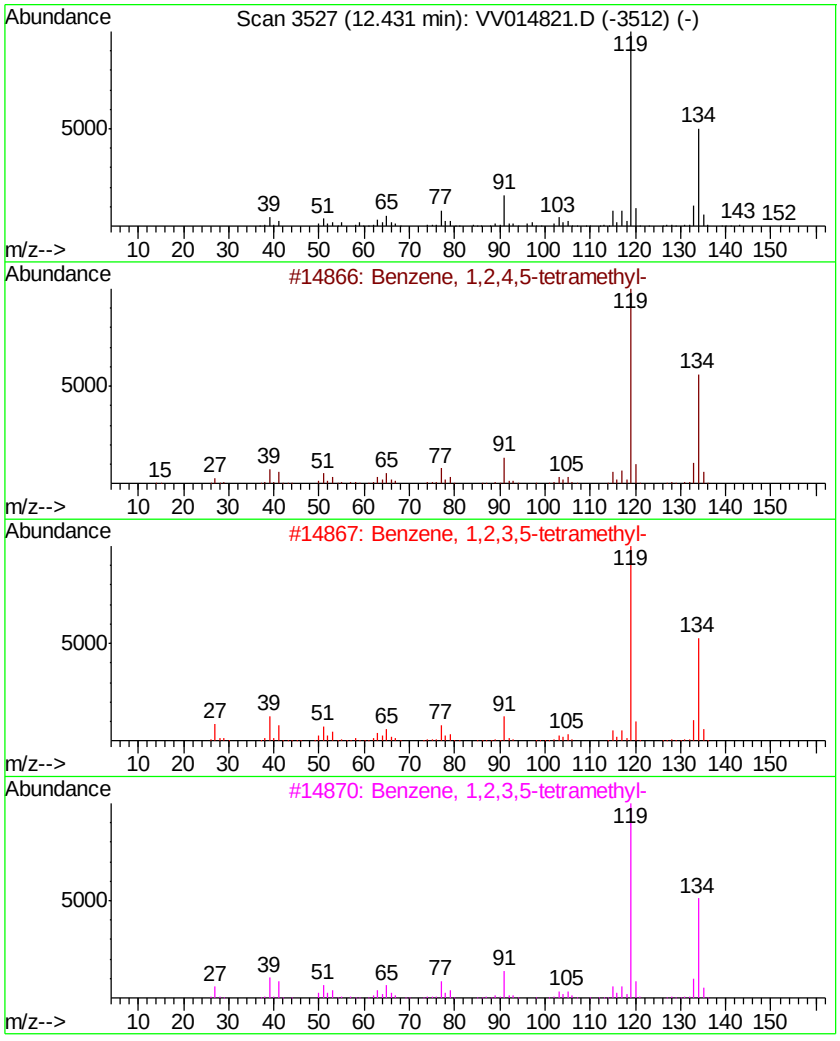
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

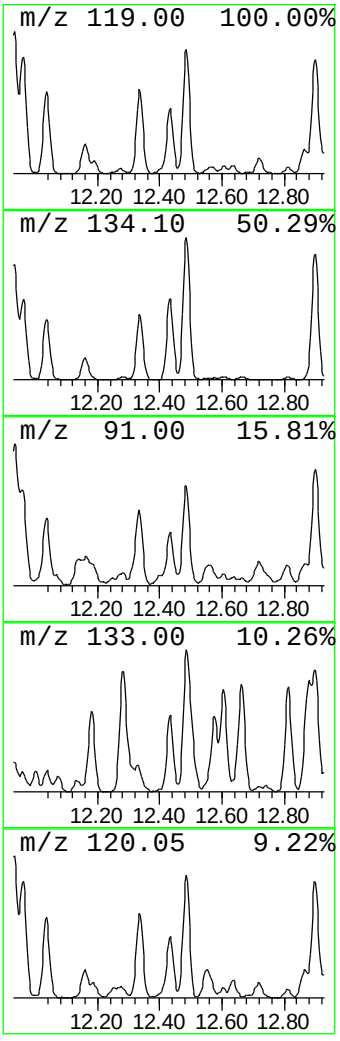
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	16.77 ug/L	433890	1,4-Dichlorobenzene-d4	11.27

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

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

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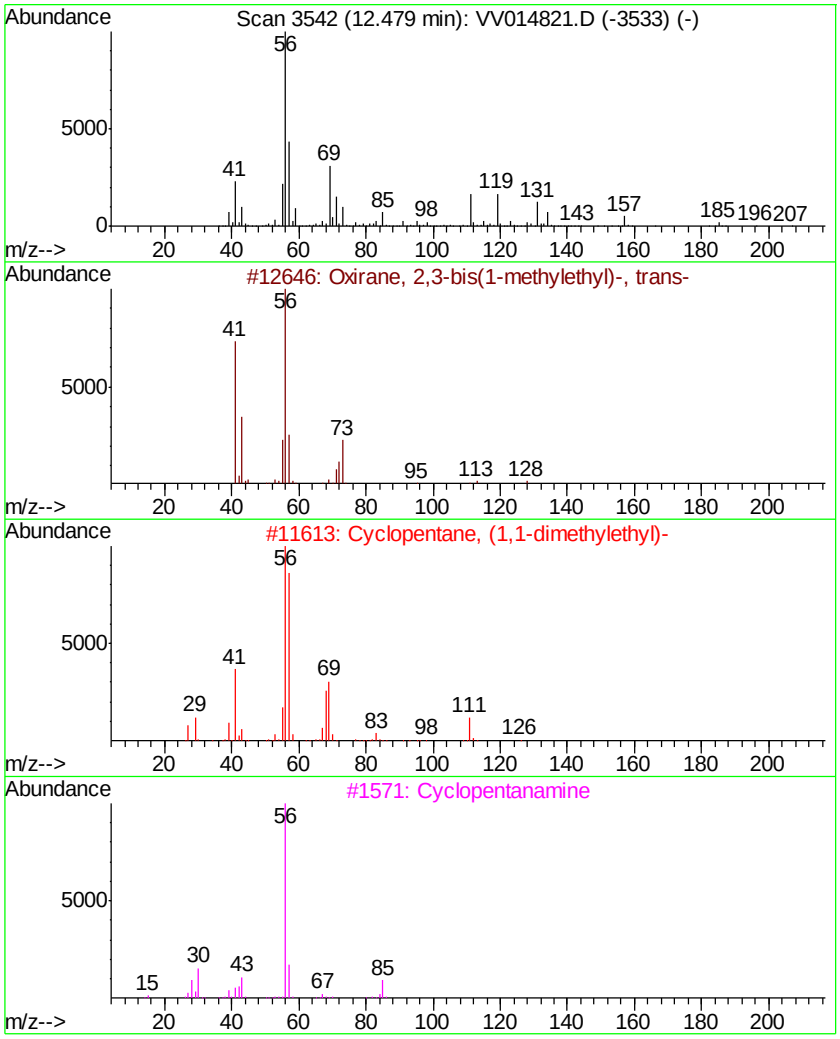
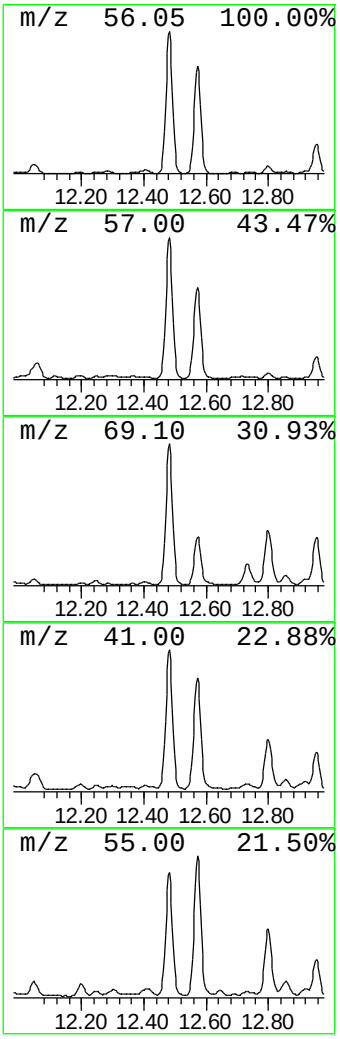
Peak Number 35 unknown-04 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	171.07 ug/L	4424930	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	38
2	Cyclopentane, (1,1-dimethylethyl)-	126	C9H18	003875-52-3	38
3	Cyclopentanamine	85	C5H11N	001003-03-8	37
4	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	32
5	Cyclobutane, 1,2,3,4-tetramethyl-	112	C8H16	069531-57-3	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

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

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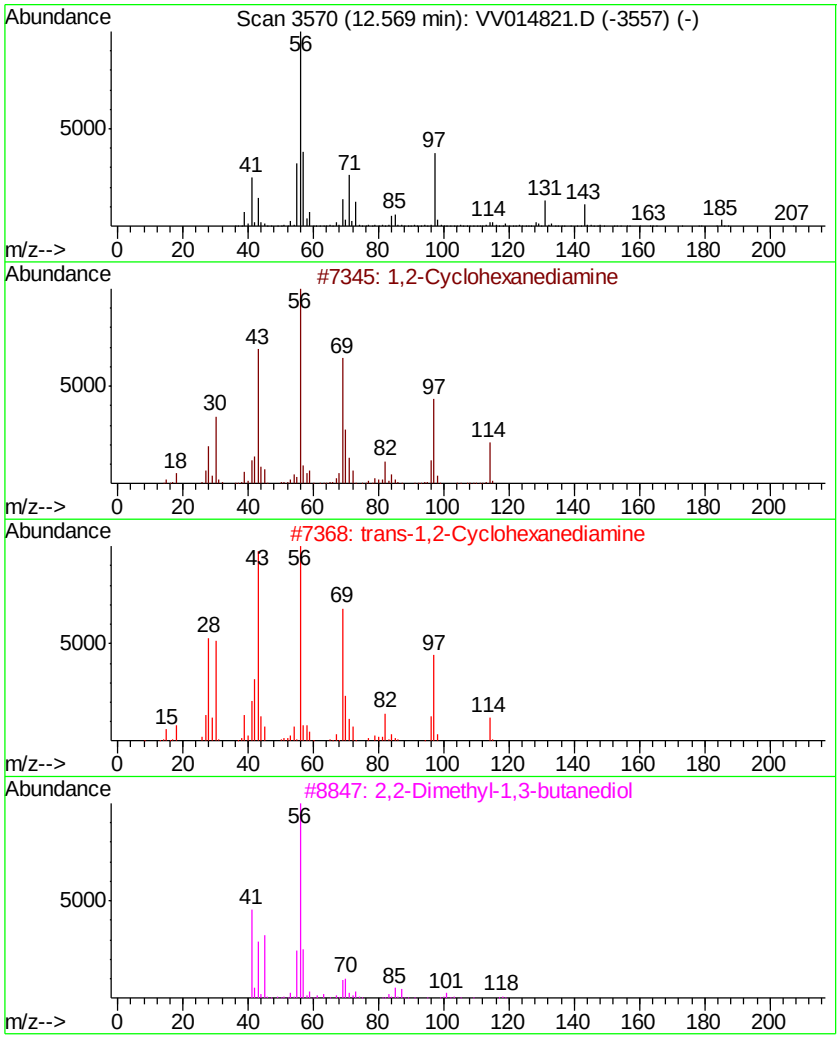
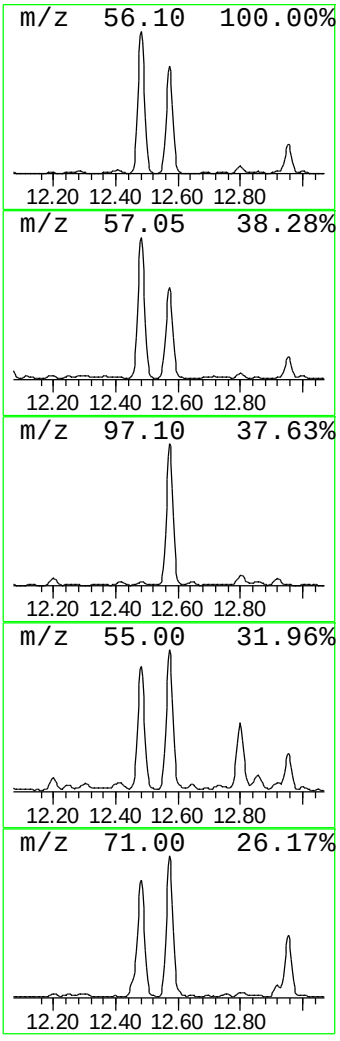
Peak Number 36 unknown-05 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	132.95 ug/L	3438820	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Cyclohexanediamine	114	C6H14N2	000694-83-7	36
2	trans-1,2-Cyclohexanediamine	114	C6H14N2	001121-22-8	36
3	2,2-Dimethyl-1,3-butanediol	118	C6H14O2	000076-35-7	32
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	25
5	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	17





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

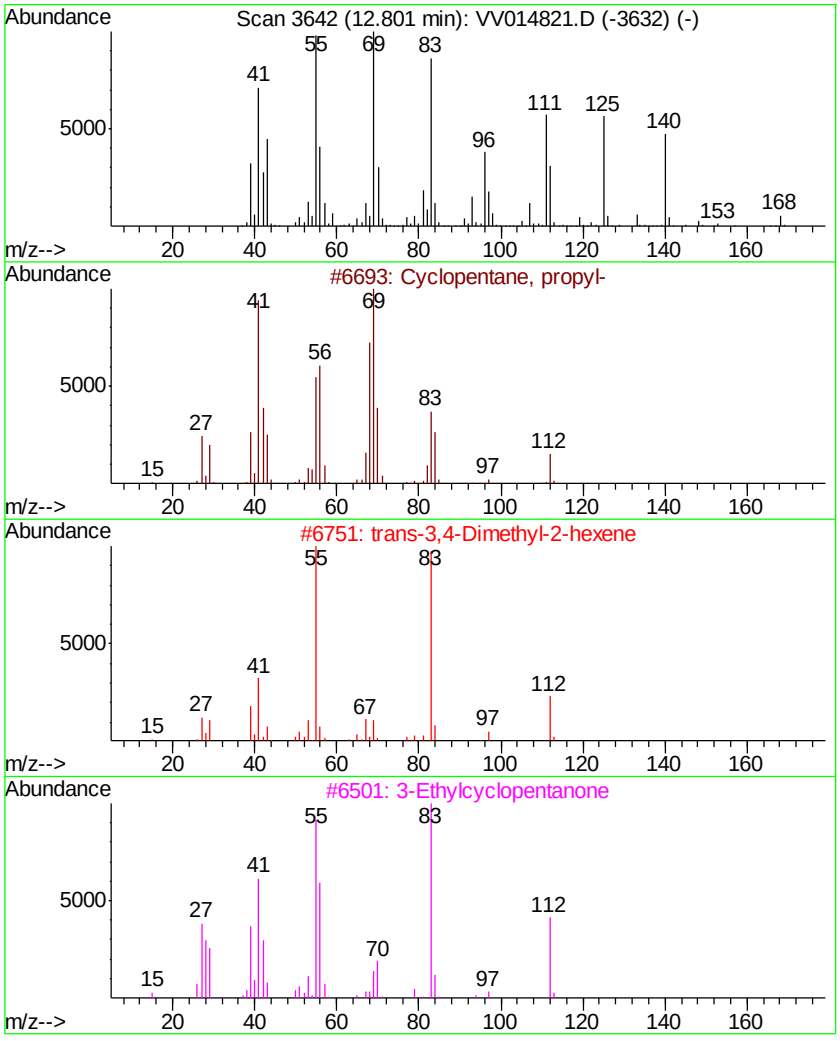
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

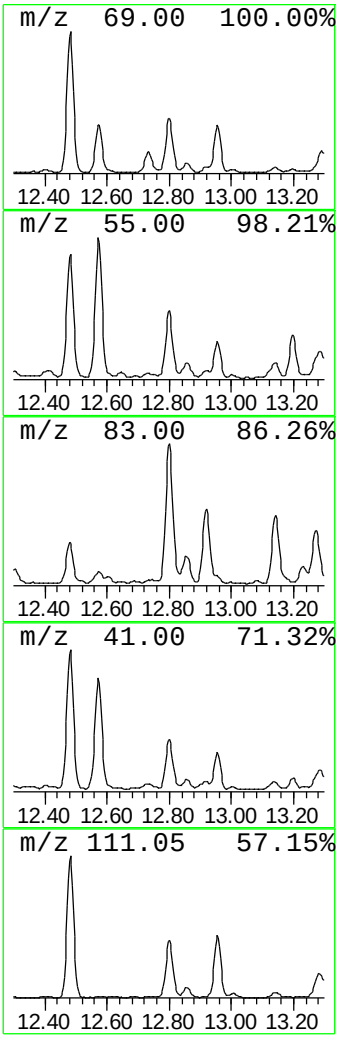
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 (DEL) Alkane: Cyclic12.80 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	49.72 ug/L	1285960	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, propyl-	112	C8H16	002040-96-2	42
2	trans-3,4-Dimethyl-2-hexene	112	C8H16	019550-82-4	35
3	3-Ethylcyclopentanone	112	C7H12O	010264-55-8	30
4	Cyclopentanone, 3-butyl-	140	C9H16O	057283-81-5	30
5	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	25





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

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

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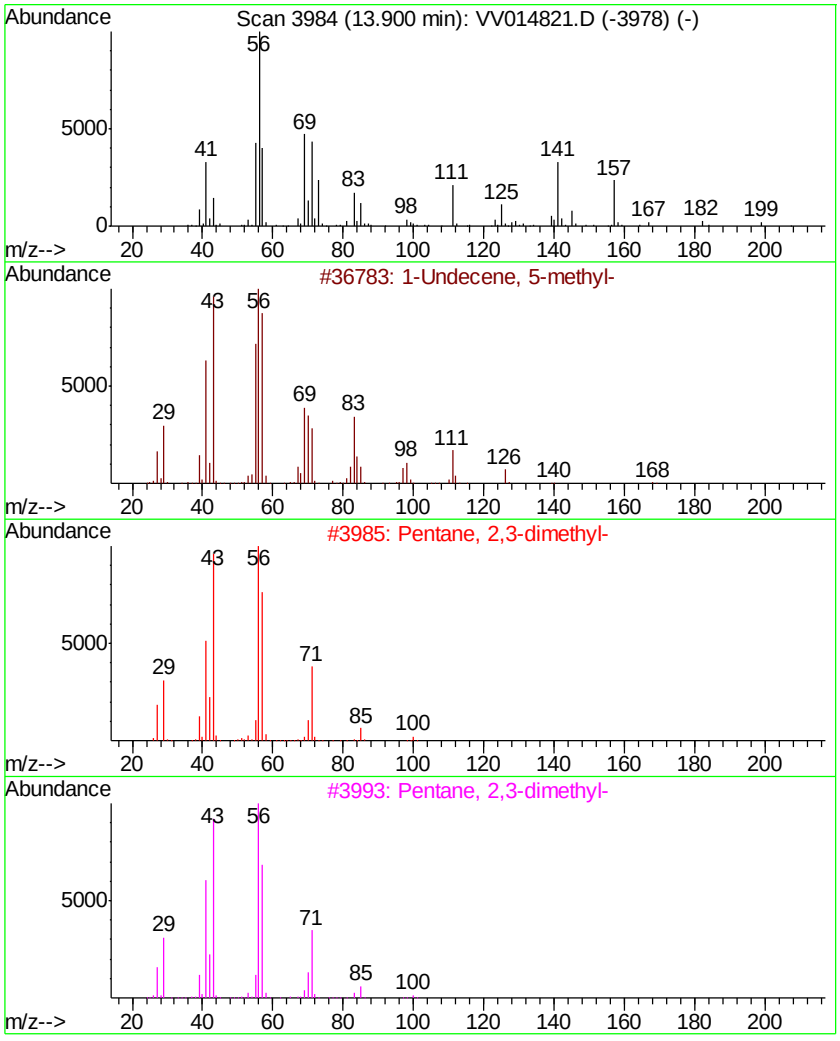
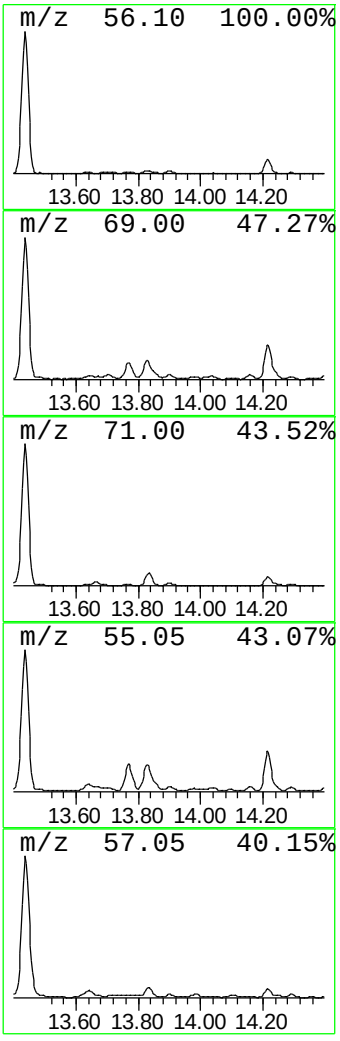
Peak Number 51 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	7.74 ug/L	200255	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Undecene, 5-methyl-	168	C12H24	074630-38-9	37
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	32
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	32
4	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	27
5	Pentadecane, 8-methylene-	224	C16H32	055668-09-2	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.M
Quant Title : VOC Analysis

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

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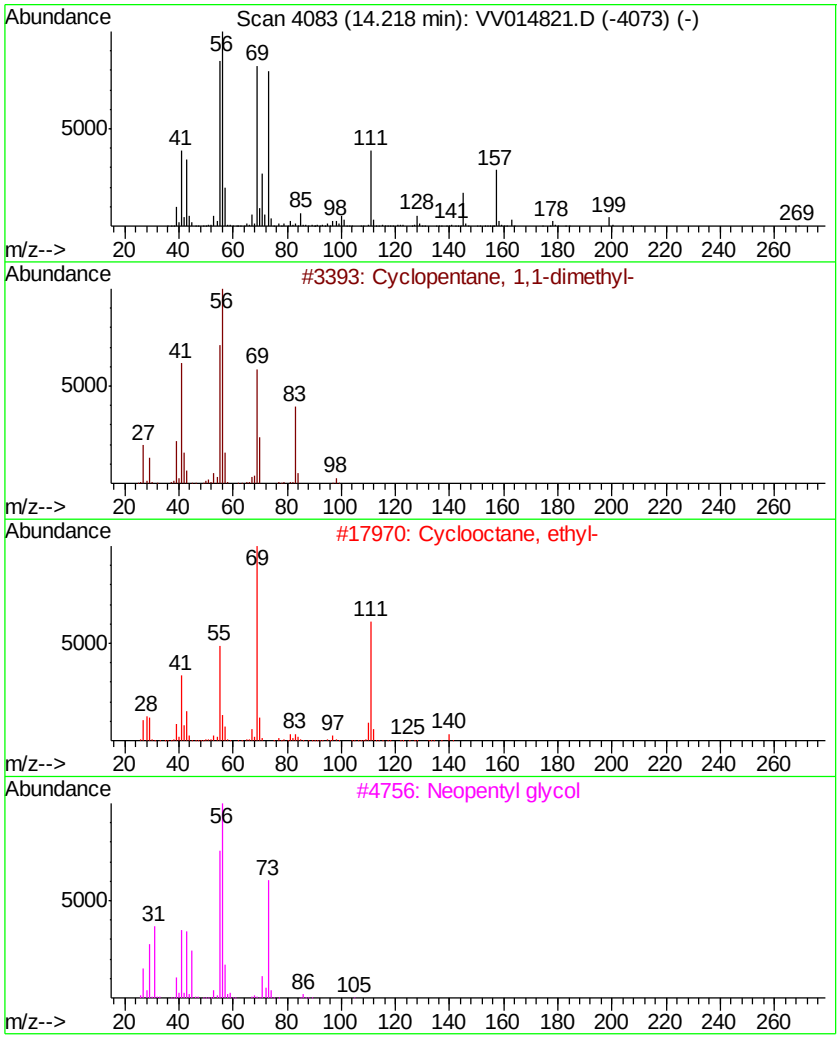
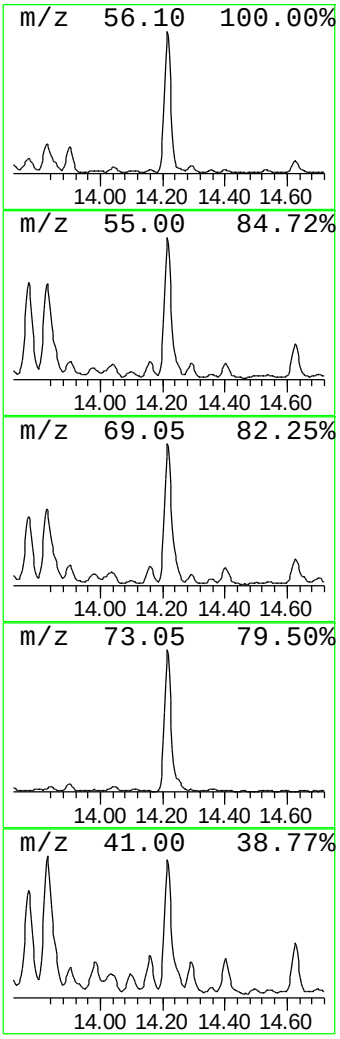
Peak Number 56 (DEL) Alkane: Cyclic14.22 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.22	74.77 ug/L	1933880	1,4-Dichlorobenzene-d4	11.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	40
2	Cyclooctane, ethyl-	140	C10H20	013152-02-8	27
3	Neopentyl glycol	104	C5H12O2	000126-30-7	25
4	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	25
5	Undecanol-4	172	C11H24O	004272-06-4	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV031020\
Data File : VV014821.D
Acq On : 10 Mar 2020 23:05
Operator : SY/MD
Sample : L1840-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : DBET2

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM030620WMA.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
Acetaldehyde	1.39	7.2	ug/L	132311	1	5.64	913579	50.0
Propanal, 2-methyl-	2.97	68.8	ug/L	1257460	1	5.64	913579	50.0
Butanal	3.72	459.7	ug/L	8399270	1	5.64	913579	50.0
1-Butanol	6.00	6.4	ug/L	117312	1	5.64	913579	50.0
Pentanal	6.31	3.6	ug/L	66538	1	5.64	913579	50.0
3-Penten-2-one, 4...	8.28	43.1	ug/L	1669750	2	8.87	1938870	50.0
Pentanal, 2,3-dim...	9.22	2.8	ug/L	107439	2	8.87	1938870	50.0
unknown-01	9.35	3.1	ug/L	120138	2	8.87	1938870	50.0
Heptanal	9.83	5.5	ug/L	214032	2	8.87	1938870	50.0
2-Propanol, 1-but...	10.36	16.4	ug/L	422888	3	11.27	1293290	50.0
Benzene, 1-ethyl-...	10.47	11.4	ug/L	293470	3	11.27	1293290	50.0
Hexanal, 2-ethyl-	10.53	16.4	ug/L	423830	3	11.27	1293290	50.0
Benzene, 1,2,3-tr...	10.56	17.6	ug/L	456445	3	11.27	1293290	50.0
4-Heptanone, 2,6-...	10.71	5.6	ug/L	145541	3	11.27	1293290	50.0
Benzene, 1-ethyl-...	10.76	28.5	ug/L	737895	3	11.27	1293290	50.0
1-Pentanol, 2-eth...	11.05	22.9	ug/L	592988	3	11.27	1293290	50.0
unknown-02	11.10	4.6	ug/L	117824	3	11.27	1293290	50.0
Octanal	11.17	3.2	ug/L	82055	3	11.27	1293290	50.0
o-Cymene	11.22	4.7	ug/L	121931	3	11.27	1293290	50.0
1H-1,2,4-Triazole...	11.46	16.2	ug/L	418290	3	11.27	1293290	50.0
(DEL) Alkane: Cyc...	11.52	37.9	ug/L	979021	3	11.27	1293290	50.0
1-Hexanol, 2-ethyl-	11.55	100.5	ug/L	2599900	3	11.27	1293290	50.0
unknown-03	11.73	31.1	ug/L	804914	3	11.27	1293290	50.0
Benzene, 1,4-diet...	11.77	7.9	ug/L	203881	3	11.27	1293290	50.0
Benzene, 1-methyl...	11.84	35.0	ug/L	903945	3	11.27	1293290	50.0
Cyclohexanone, 3,...	11.94	510.4	ug/L	13201800	3	11.27	1293290	50.0
Indan, 1-methyl-	12.13	7.0	ug/L	181666	3	11.27	1293290	50.0
3-Hexene, 1-(1-me...	12.25	4.6	ug/L	118012	3	11.27	1293290	50.0
Benzene, 1,2,4,5-...	12.43	16.8	ug/L	433890	3	11.27	1293290	50.0
unknown-04	12.48	171.1	ug/L	4424930	3	11.27	1293290	50.0
unknown-05	12.57	132.9	ug/L	3438820	3	11.27	1293290	50.0
(DEL) Alkane: Cyc...	12.80	49.7	ug/L	1285960	3	11.27	1293290	50.0
(DEL) Alkane: Str...	13.90	7.7	ug/L	200255	3	11.27	1293290	50.0
(DEL) Alkane: Cyc...	14.22	74.8	ug/L	1933880	3	11.27	1293290	50.0