LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Title : TRACE VOA SOM01.0

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.369	3	9	26	rVB	2284938	2302881	8.18%	1.452%
2	1.617	72	86	98	rBV2	9005857	12273117	43.59%	7.741%
3	1.674	99	104	114	rVV	612981	695668	2.47%	0.439%
4	1.748	117	127	142	rVB	1312533	1536080	5.46%	0.969%
5	1.903	168	175	181	rBV	372340	533727	1.90%	0.337%
6	2.176	251	260	268	rBV	217623	306025	1.09%	0.193%
7	2.240	268	280	299	rVB3	381396	719402	2.55%	0.454%
8	2.398	319	329	337	rVV	507320	834902	2.97%	0.527%
9	2.440	337	342	351	rVB3	251235	350937	1.25%	0.221%
10	2.597	379	391	409	rBV4	311411	591717	2.10%	0.373%
11	2.716	413	428	453	rVV2	797695	1491268	5.30%	0.941%
12	3.391	617	638	658	rBV	1009187	2001667	7.11%	1.262%
13	3.922	769	803	826	rBV	701844	1901795	6.75%	1.200%
14	4.575	988	1006	1015	rBV	215456	546642	1.94%	0.345%
15	4.719	1034	1051	1068	rBV2	2524208	5665257	20.12%	3.573%
16	4.803	1069	1077	1093	rVV	142775	397638	1.41%	0.251%
17	5.115	1160	1174	1191	rBV	224422	513062	1.82%	0.324%
18	5.430	1259	1272	1290	rVB	363150	807366	2.87%	0.509%
19	5.771	1359	1378	1385	rBV2	473086	1120590	3.98%	0.707%
20	5.819	1386	1393	1407	rVB	531718	1018829	3.62%	0.643%
21	6.292	1527	1540	1569	rVB	435685	822957	2.92%	0.519%
22	6.546	1598	1619	1624	rBV	181867	378531	1.34%	0.239%
23	6.610	1625	1639	1652	rVB2	784264	1741606	6.19%	1.098%
24	6.735	1668	1678	1687	rBV	266143	490743	1.74%	0.310%
25	6.800	1687	1698	1707	rVV	375159	689622	2.45%	0.435%
26	7.607	1935	1949	1971	rBV	156301	295727	1.05%	0.187%
27	7.935	2041	2051	2060	rBV	567356	910682	3.23%	0.574%
28	8.005	2060	2073	2106	rVV	16782136	28156753	100.00%	17.759%
29	8.687	2265	2285	2315	rBV	696044	1367618	4.86%	0.863%
30	9.449	2510	2522	2542	rBV2	599967	1194832	4.24%	0.754%
31	9.600	2557	2569	2593	rBV	8870013	14185978	50.38%	8.947%
32	9.726	2594	2608	2649	rVB	5576987	9440634	33.53%	5.954%
33	10.131	2720	2734	2767	rVB	6469292	10249809	36.40%	6.465%
34	10.513	2840	2853	2864	rBV	403468	642664	2.28%	0.405%

LSC Area Percent Report

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Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Title : TRACE VOA SOM01.0

35	10.787	2926	2938	2950	rBV	245694	400346	1.42%	0.253%
36	10.931	2971	2983	3000	rBV	435933	700936	2.49%	0.442%
37	11.024	3000	3012	3016	rBV	505529	777733	2.76%	0.491%
38	11.115	3030	3040	3059	rVB	551487	879976	3.13%	0.555%
39	11.320	3094	3104	3129	rVB	706412	1155221	4.10%	0.729%
40	11.494	3148	3158	3176	rVB	512566	796231	2.83%	0.502%
41	11.770	3232	3244	3252	rVV	185922	292889	1.04%	0.185%
42	11.838	3252	3265	3280	rVV2	683366	1289341	4.58%	0.813%
43	11.922	3280	3291	3308	rVB	1342533	2078607	7.38%	1.311%
44	12.121	3338	3353	3359	rBV2	469215	789548	2.80%	0.498%
45	12.217	3371	3383	3407	rVB4	947784	1770304	6.29%	1.117%
46	12.401	3429	3440	3454	rVB	205498	319613	1.14%	0.202%
47	12.491	3454	3468	3473	rBV	304050	505835	1.80%	0.319%
48	12.520	3473	3477	3488	rVB	256385	349591	1.24%	0.220%
49	12.597	3490	3501	3509	rBV	430803	654371	2.32%	0.413%
50	12.709	3524	3536	3556	rBV3	378901	907760	3.22%	0.573%
51	12.899	3585	3595	3607	rVB3	246650	433291	1.54%	0.273%
52	12.995	3607	3625	3633	rBV	245454	416691	1.48%	0.263%
53	13.050	3633	3642	3657	rVB	502421	777941	2.76%	0.491%
54	13.430	3750	3760	3766	rBV3	195394	340574	1.21%	0.215%
55	13.475	3766	3774	3790	rVB3	567840	1025638	3.64%	0.647%
56	13.648	3818	3828	3849	rVB	453748	783904	2.78%	0.494%
57	13.812	3869	3879	3886	rBV	257644	417642	1.48%	0.263%
58	13.860	3886	3894	3909	rVV6	248269	568811	2.02%	0.359%
59	13.966	3921	3927	3945	rVB2	400107	753597	2.68%	0.475%
60	14.111	3956	3972	3992	rVB	563970	1098974	3.90%	0.693%
61	14.214	3992	4004	4017	rBV	1819674	2814448	10.00%	1.775%
62	14.311	4017	4034	4046	rBV	1937558	3133561	11.13%	1.976%
63	14.510	4084	4096	4112	rBV	490421	823584	2.92%	0.519%
64	14.690	4140	4152	4176	rBV2	566853	1376020	4.89%	0.868%
65	14.831	4187	4196	4206	rBV2	459649	687713	2.44%	0.434%
66	14.899	4206	4217	4229	rVB3	859513	1473417	5.23%	0.929%
67	15.040	4249	4261	4274	rBV2	2818029	4463404	15.85%	2.815%
68	15.220	4297	4317	4322	rBV2	1141828	1899859	6.75%	1.198%
69	15.294	4332	4340	4353	rVB3	1183656	2002650	7.11%	1.263%
70	15.372	4354	4364	4373	rBV3	256290	406734	1.44%	0.257%
71	15.436	4373	4384	4393	rVV	1444925	2368395	8.41%	1.494%

LSC Area Percent Report

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Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Title : TRACE VOA SOM01.0

72	15.491	4393	4401	4407	rVV2	642766	1101667	3.91%	0.695%
73	15.526	4407	4412	4425	rVB2	547729	831680	2.95%	0.525%
74	15.619	4426	4441	4451	rBV2	385475	799119	2.84%	0.504%
75	15.790	4477	4494	4504	rBV2	273190	523014	1.86%	0.330%
76	15.950	4530	4544	4549	rBV4	1595608	2990338	10.62%	1.886%
77	16.037	4561	4571	4585	rVB2	309159	557145	1.98%	0.351%
78	16.172	4604	4613	4620	rBV2	297210	506985	1.80%	0.320%
79	16.288	4633	4649	4656	rBV	793674	1366909	4.85%	0.862%
80	16.336	4657	4664	4675	rVB	431583	740292	2.63%	0.467%
81	16.433	4685	4694	4701	rBV	496995	809386	2.87%	0.510%
82	16.471	4702	4706	4722	rVB3	254929	409756	1.46%	0.258%

Sum of corrected areas: 158548167

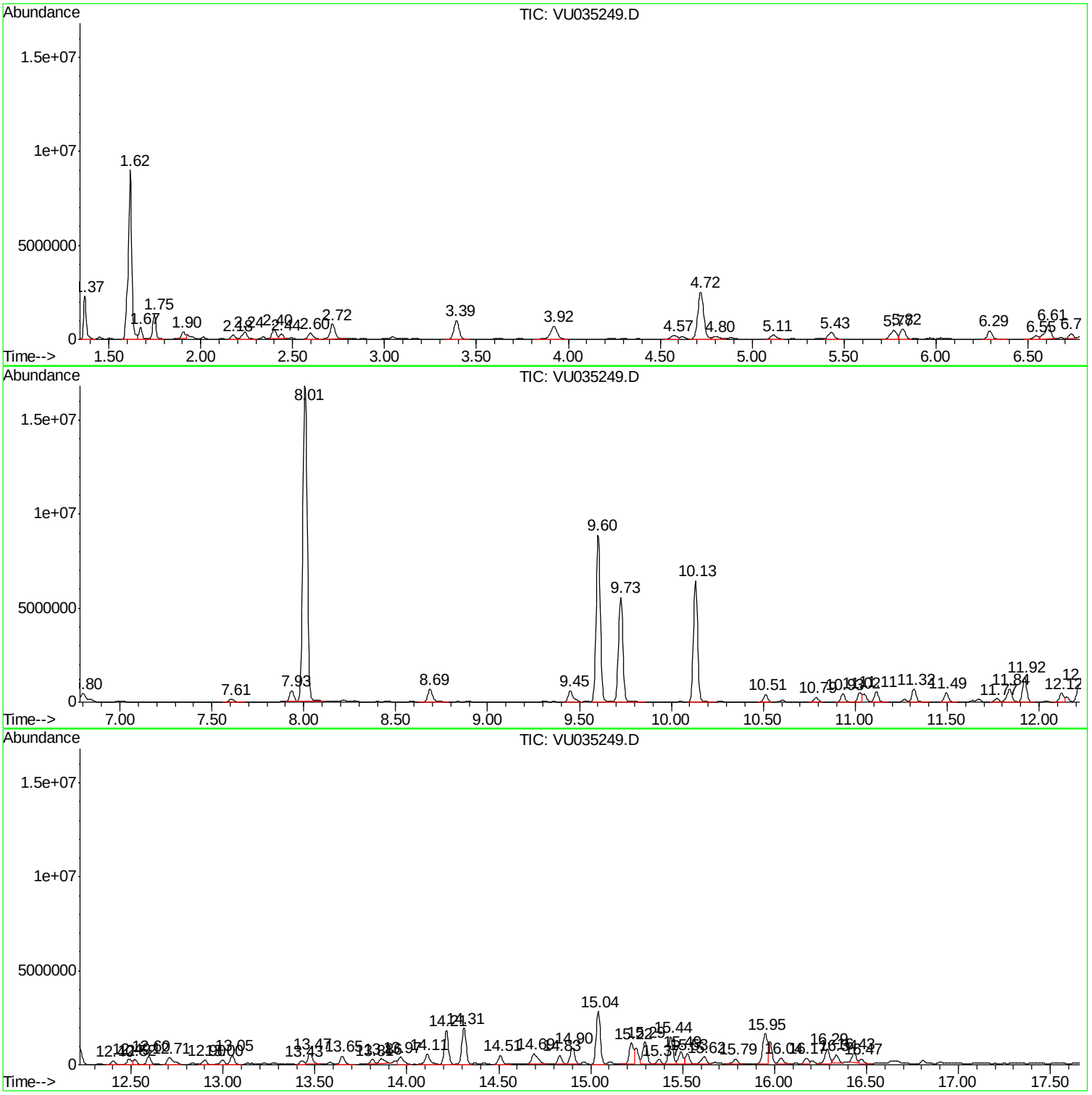
LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

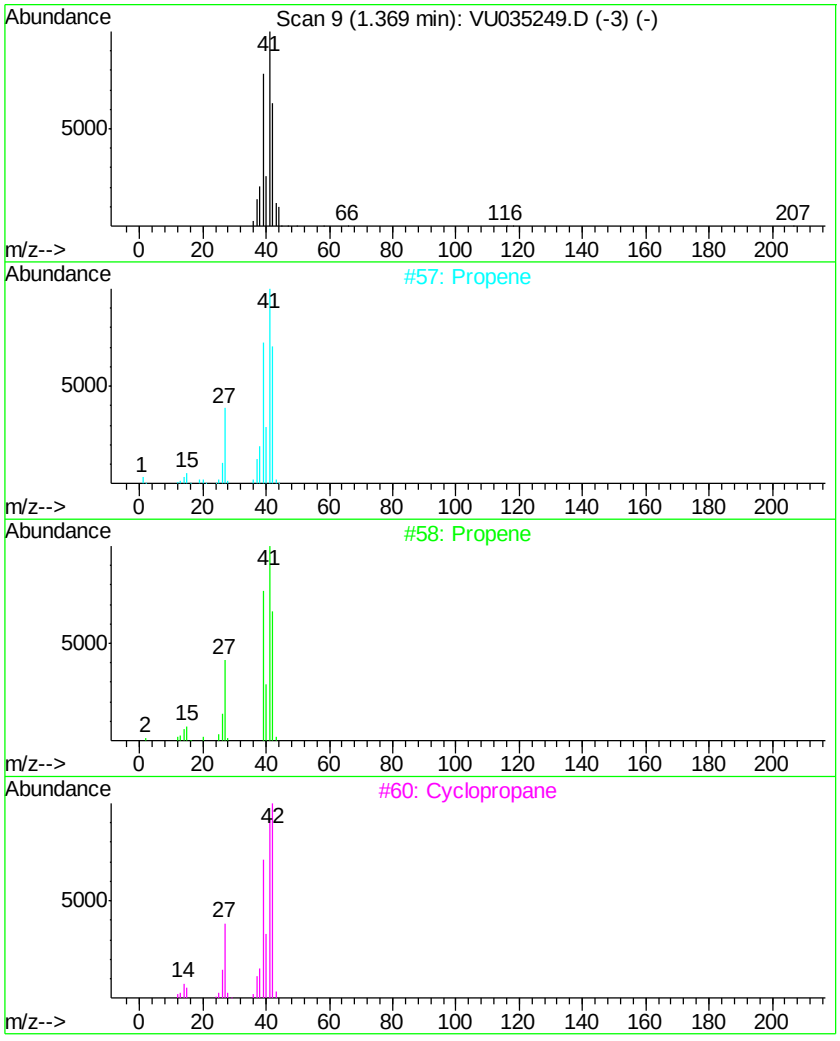
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

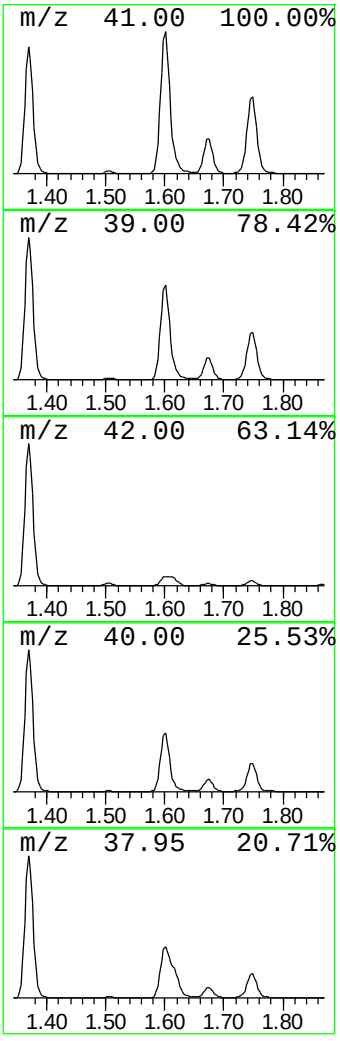
****

Peak Number 1 (DEL) Alkane: Cyclic1.37 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.37	13.99 ug/L	2302880	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Propene	42	C3H6	000115-07-1	42
3	Cyclopropane	42	C3H6	000075-19-4	9
4	Cyclopropene	40	C3H4	002781-85-3	9
5	Cyclopropane	42	C3H6	000075-19-4	7





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

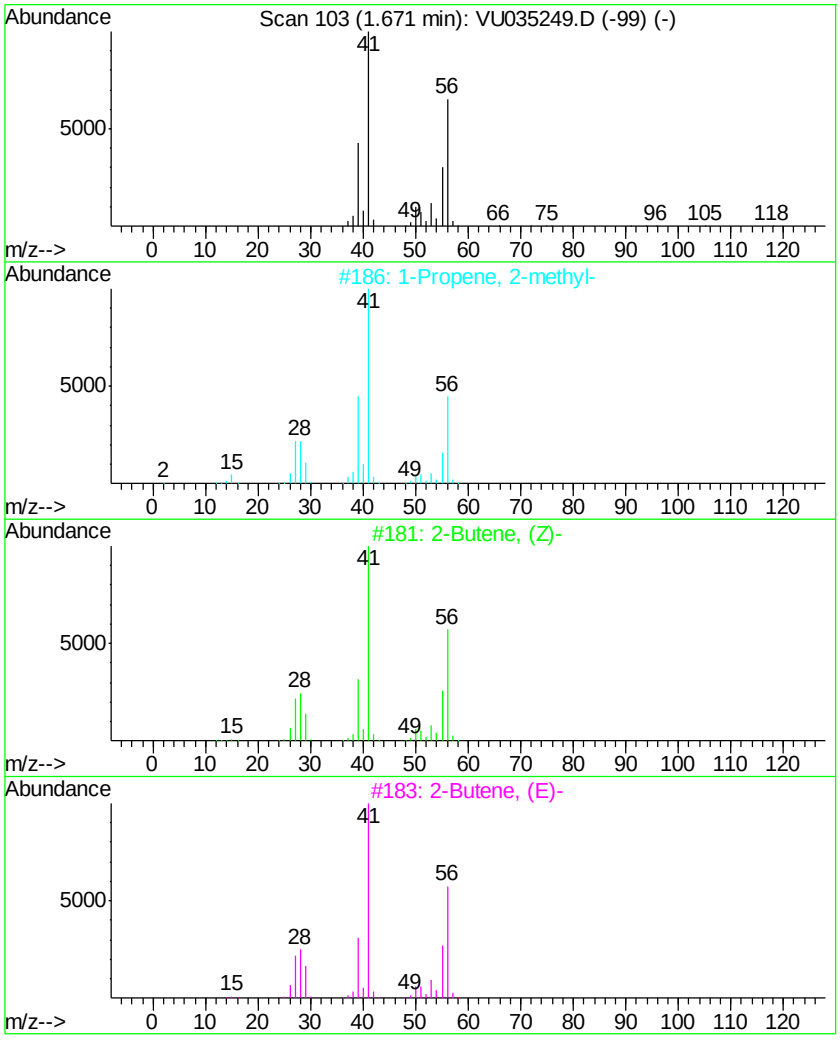
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

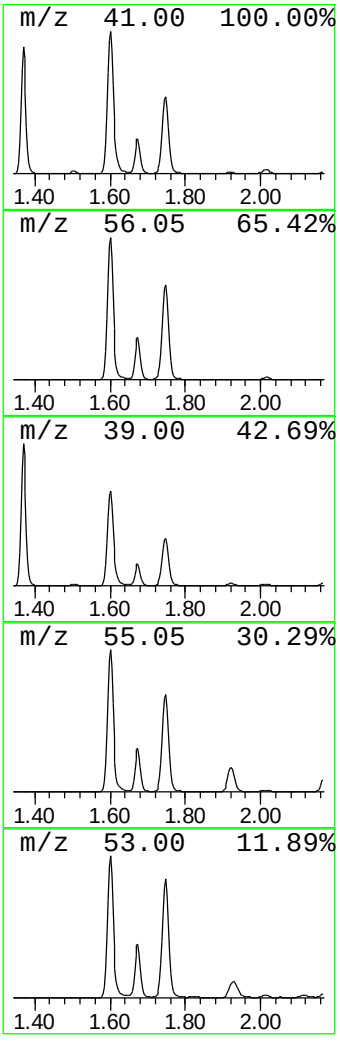
****

Peak Number 2 (DEL) Alkane: Cyclic1.67 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.67	4.23 ug/L	695668	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
2	2-Butene, (Z)-	56	C4H8	000590-18-1	87
3	2-Butene, (E)-	56	C4H8	000624-64-6	74
4	2-Butene, (Z)-	56	C4H8	000590-18-1	74
5	2-Butene, (E)-	56	C4H8	000624-64-6	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

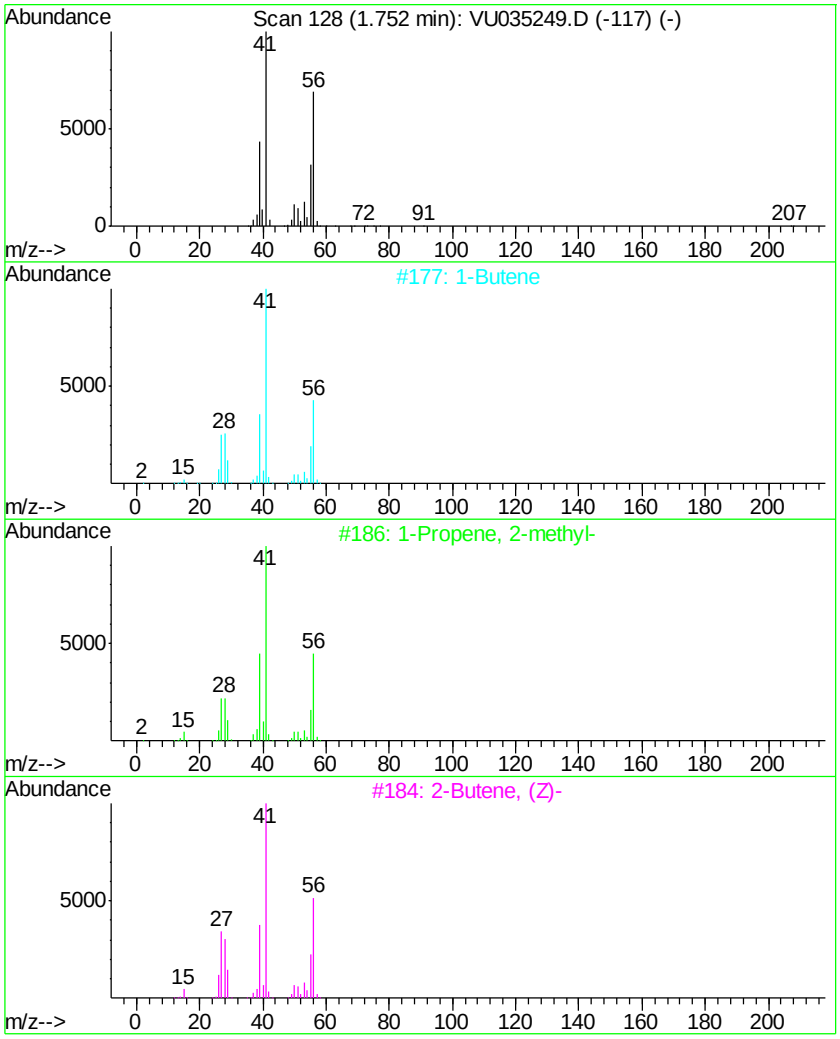
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

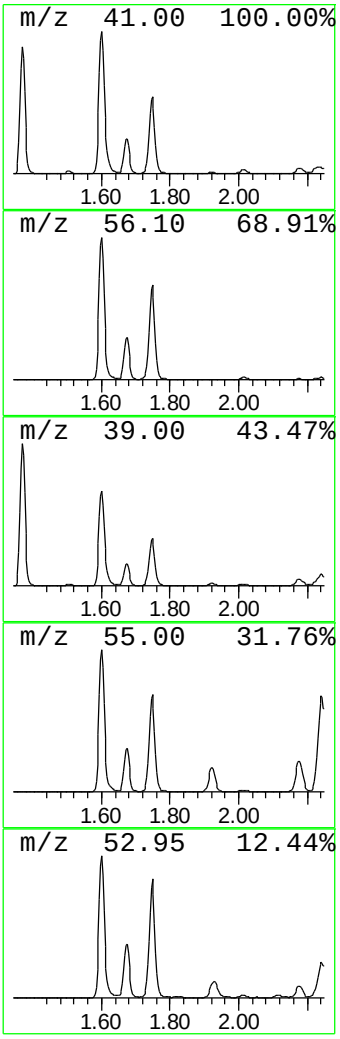
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Cyclic1.75 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	9.33 ug/L	1536080	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene	56	C4H8	000106-98-9	87
2	1-Propene, 2-methyl-	56	C4H8	000115-11-7	83
3	2-Butene, (Z)-	56	C4H8	000590-18-1	74
4	1-Propene, 2-methyl-	56	C4H8	000115-11-7	72
5	2-Butene, (E)-	56	C4H8	000624-64-6	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
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Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

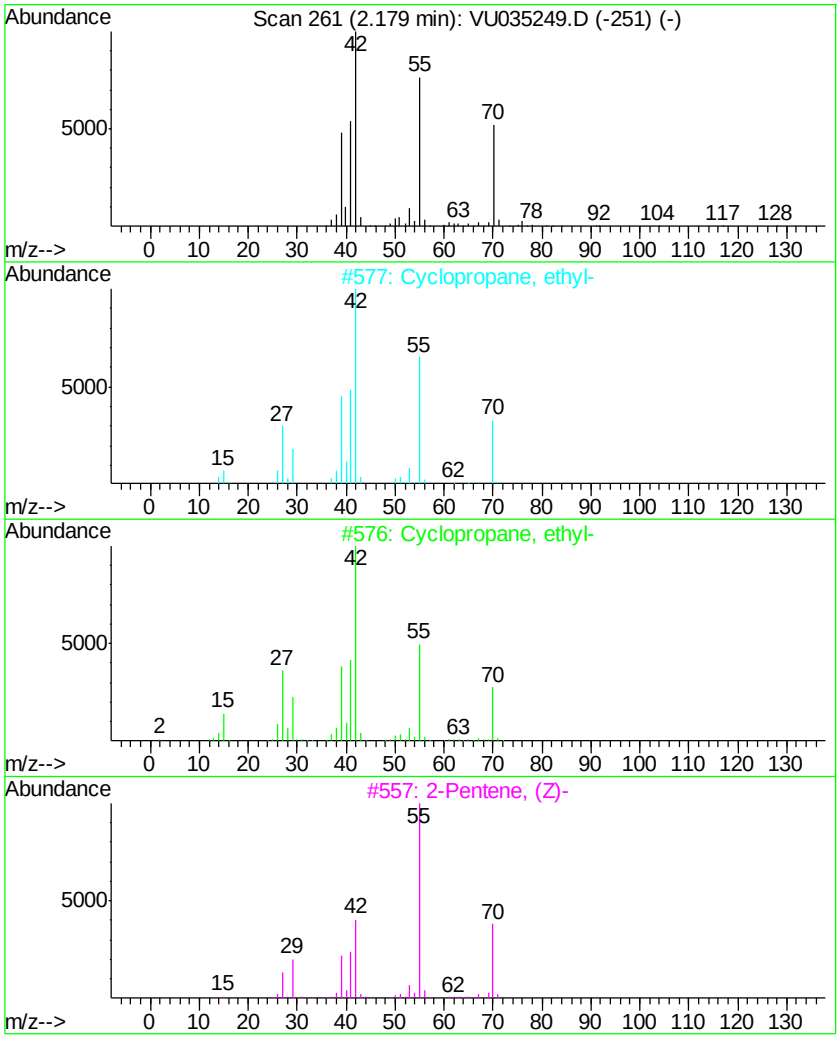
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

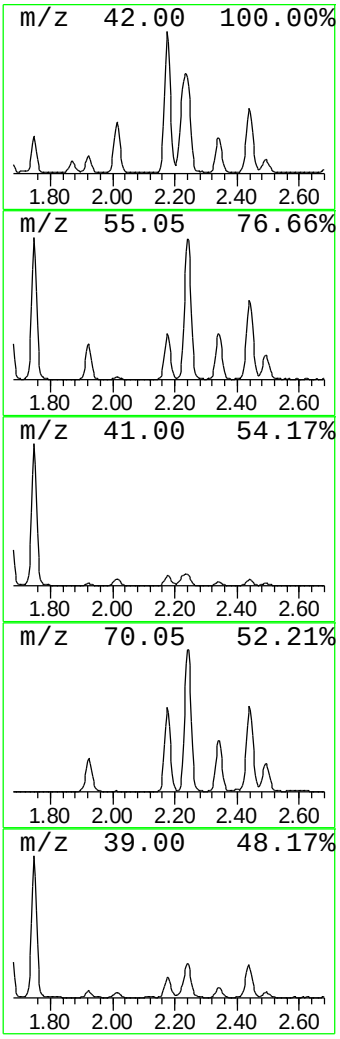
****

Peak Number 4 (DEL) Alkane: Cyclic2.18 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	1.86 ug/L	306025	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	90
2	Cyclopropane, ethyl-	70	C5H10	001191-96-4	86
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	80
4	2-Pentene	70	C5H10	000109-68-2	80
5	1-Pentene	70	C5H10	000109-67-1	68





Library Search Compound Report

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Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

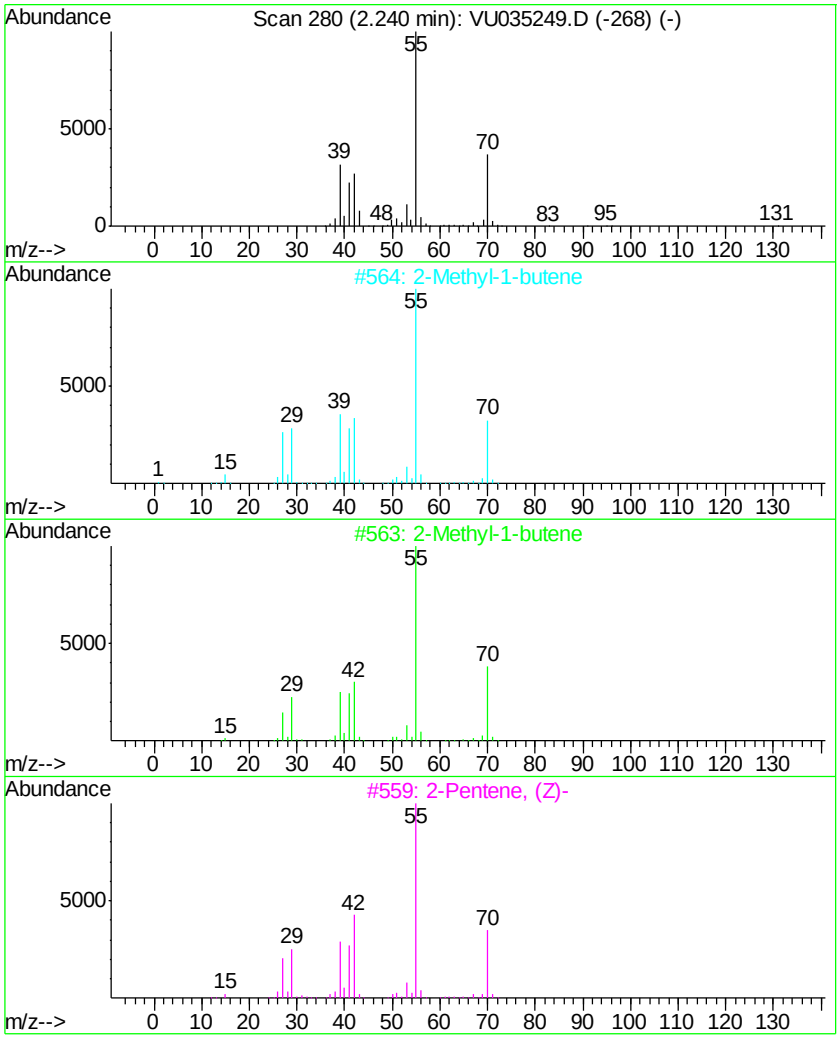
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

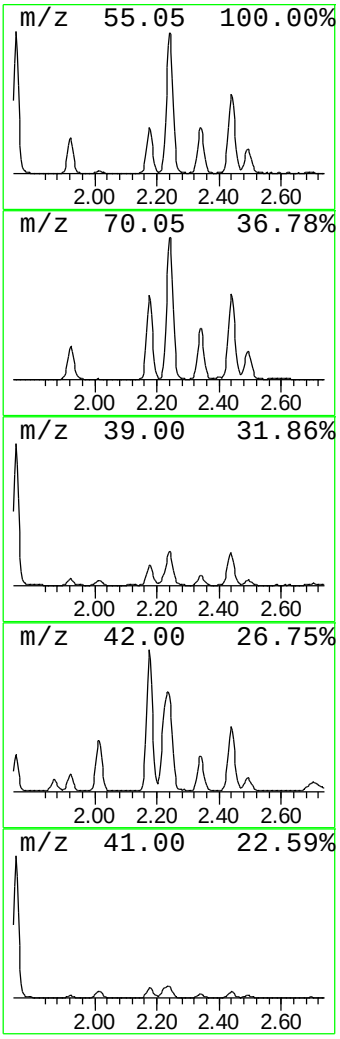
****

Peak Number 5 (DEL) Alkane: Cyclic2.24 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.24	4.37 ug/L	719402	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	91
2	2-Methyl-1-butene	70	C5H10	000563-46-2	90
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
4	2-Pentene, (E)-	70	C5H10	000646-04-8	87
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87





Library Search Compound Report

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ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

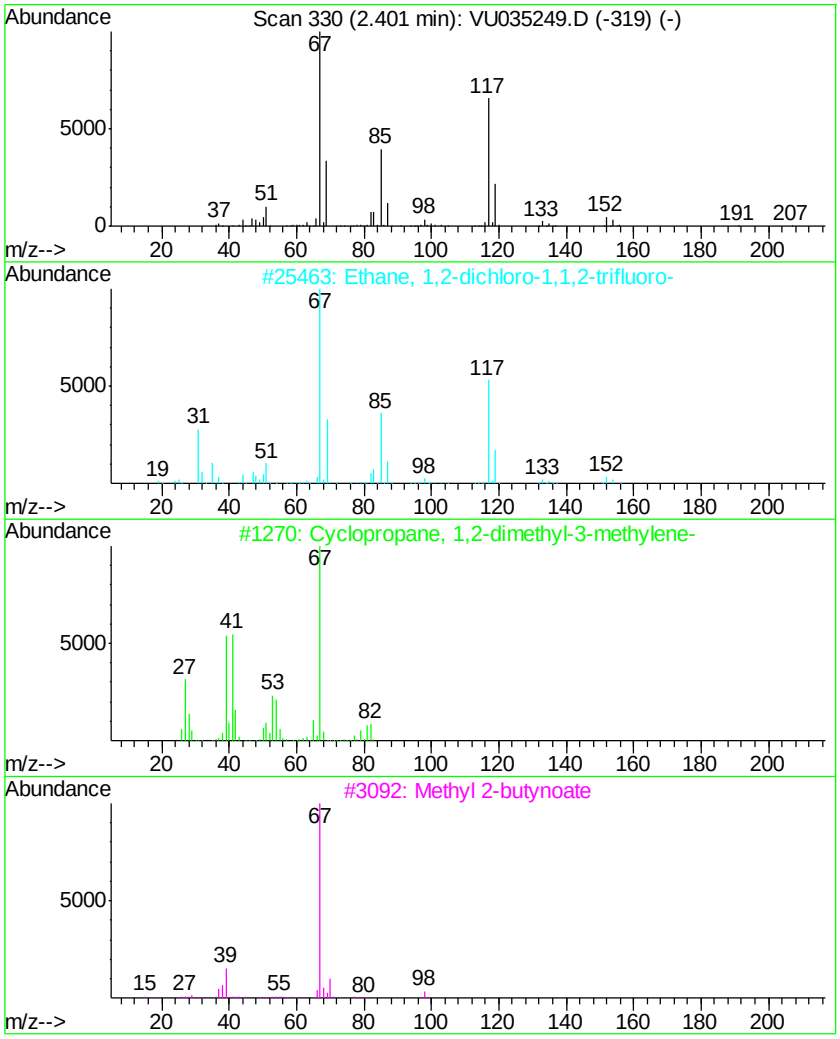
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

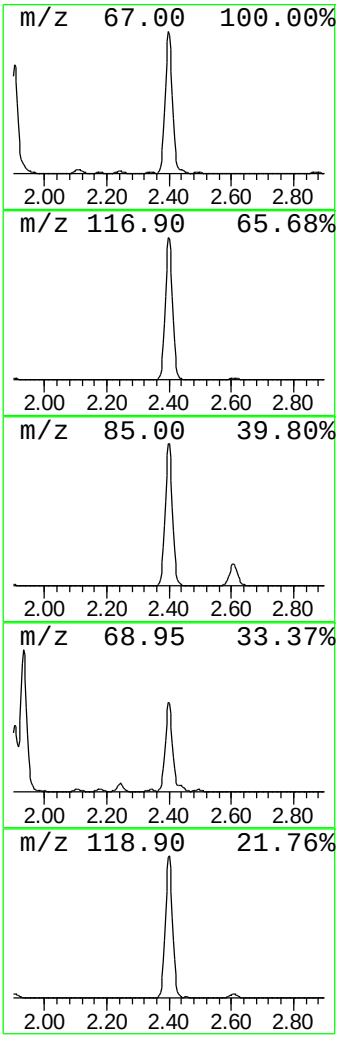
****

Peak Number 6 Ethane, 1,2-dichloro-1,1,2-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.40	5.07 ug/L	834902	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1,2-dichloro-1,1,2-trifl...	152	C2HCl2F3	000354-23-4	94
2	Cyclopropane, 1,2-dimethyl-3-met...	82	C6H10	062338-02-7	16
3	Methyl 2-butynoate	98	C5H6O2	023326-27-4	9
4	1,4-Pentadiene, 3-methyl-	82	C6H10	001115-08-8	9
5	1-Butyne, 3,3-dimethyl-	82	C6H10	000917-92-0	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

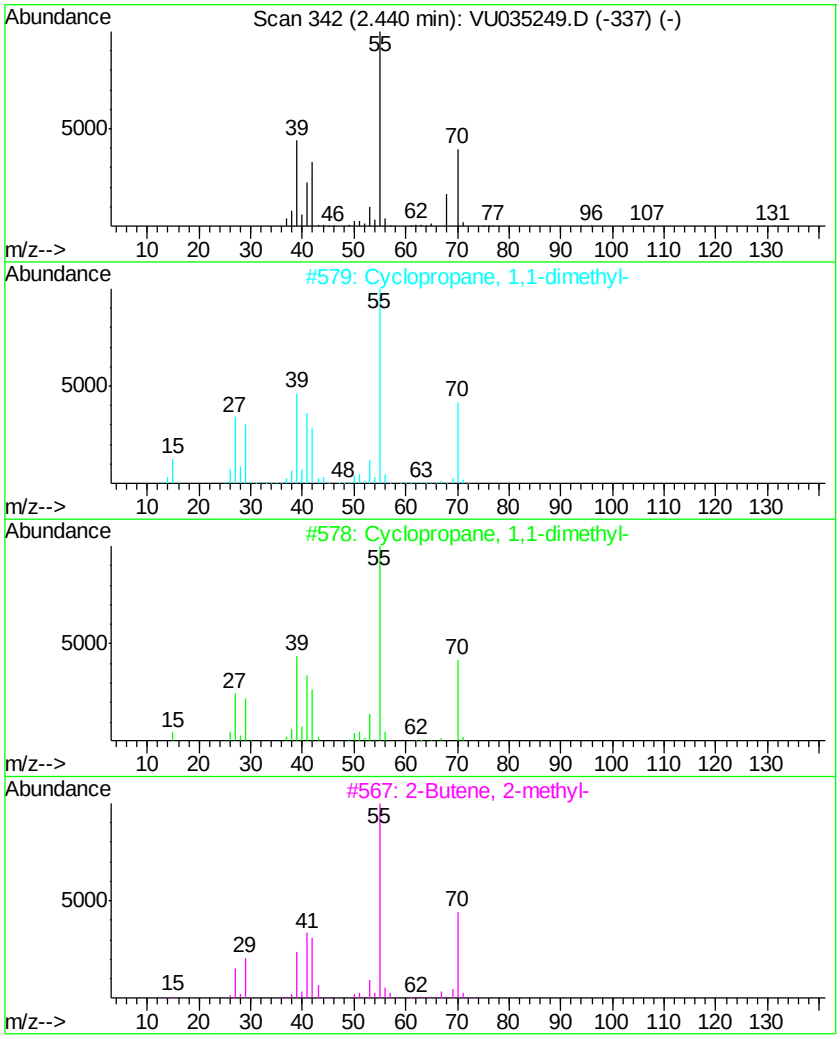
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

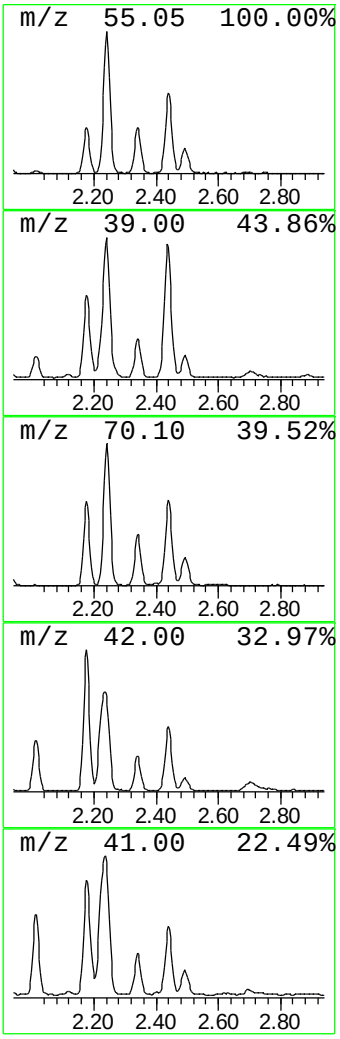
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic2.44 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.44	2.13 ug/L	350937	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	72
2	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	72
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	52
4	2-Pentene	70	C5H10	000109-68-2	52
5	2-Pentene, (Z)-	70	C5H10	000627-20-3	52





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

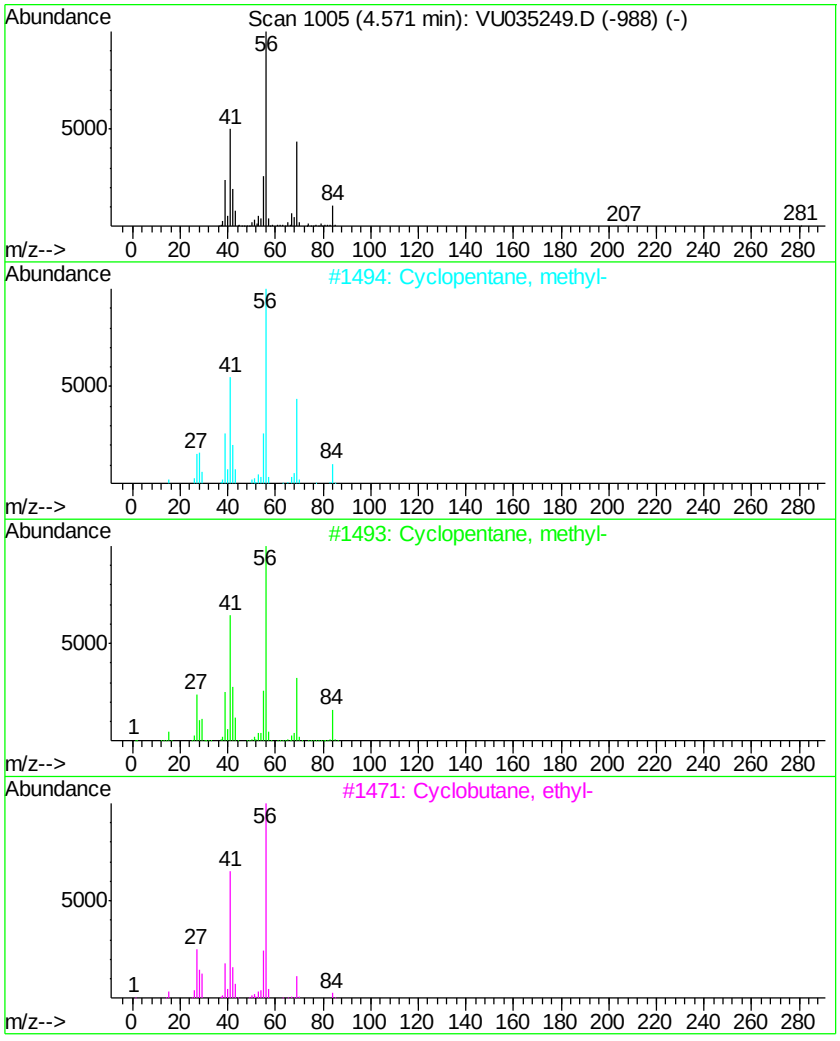
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

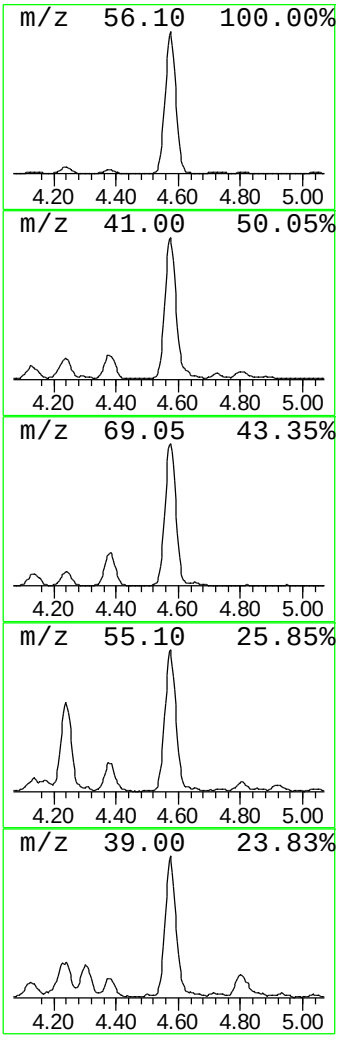
****

Peak Number 8 (DEL) Alkane: Cyclic4.57 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	3.32 ug/L	546642	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	80
4	Cyclobutanecarbonitrile, 3,3-dim...	109	C7H11N	053783-86-1	53
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	47





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Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

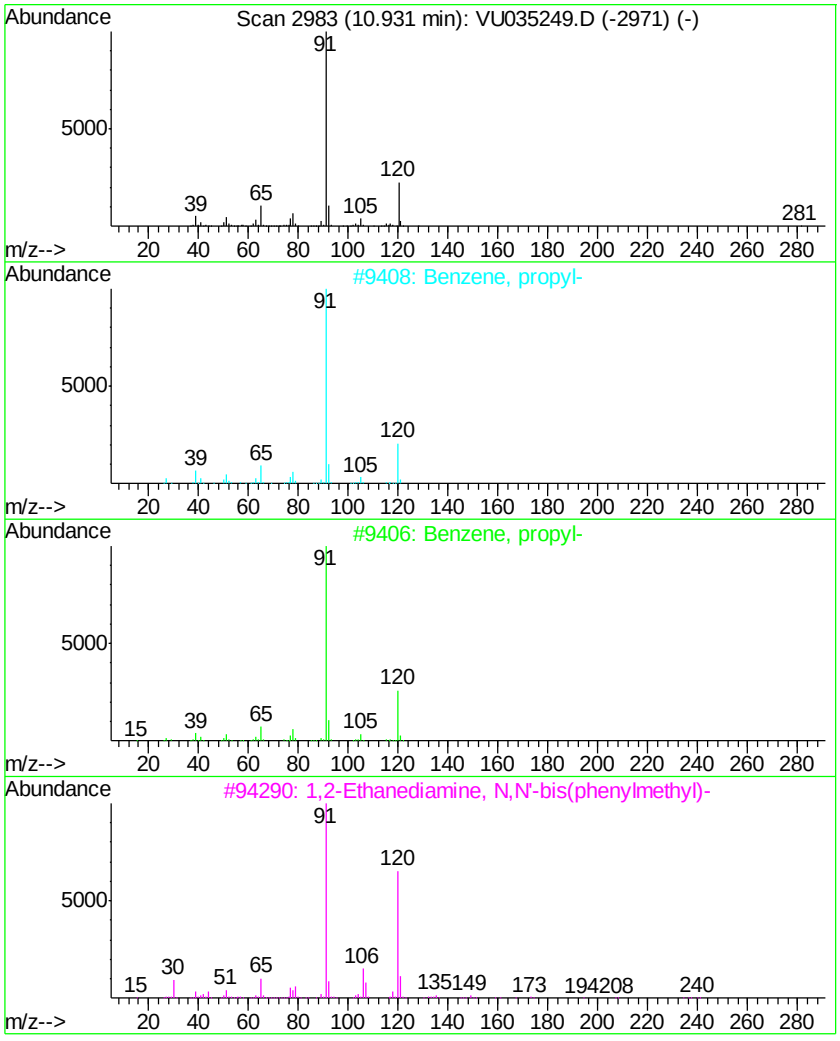
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

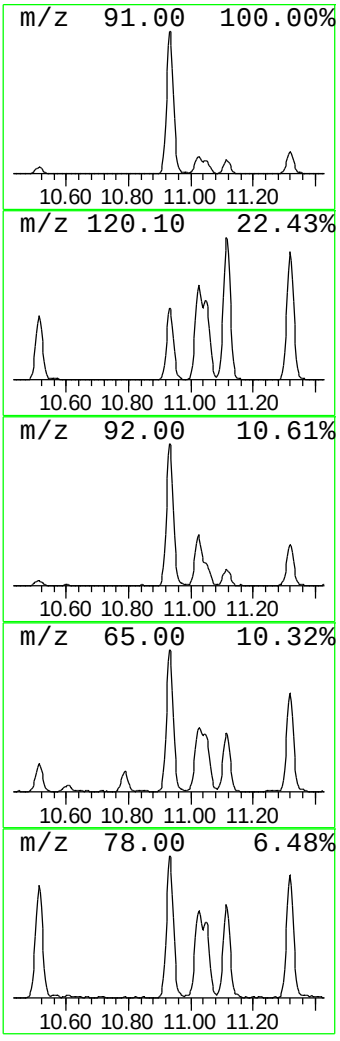
****

Peak Number 10 Benzene, propyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	2.72 ug/L	700936	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5	Phenethylamine, N-benzyl-p-chloro-	245	C15H16ClN	013622-43-0	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

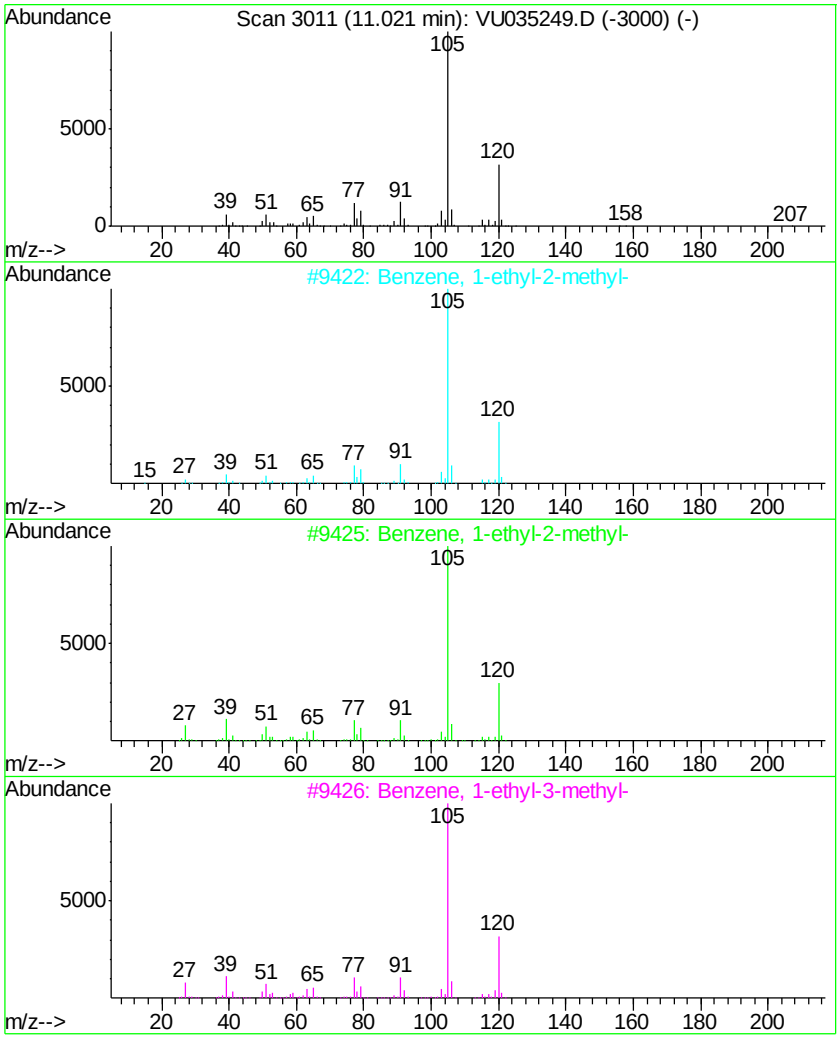
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

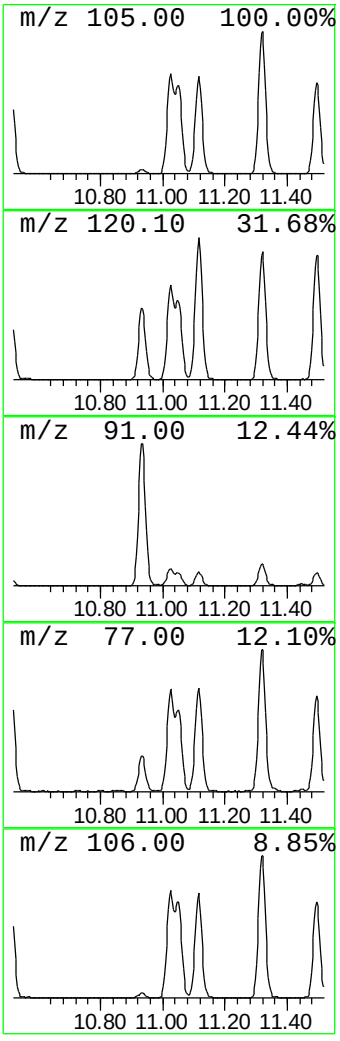
****

Peak Number 11 Benzene, 1-ethyl-2-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	3.02 ug/L	777733	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

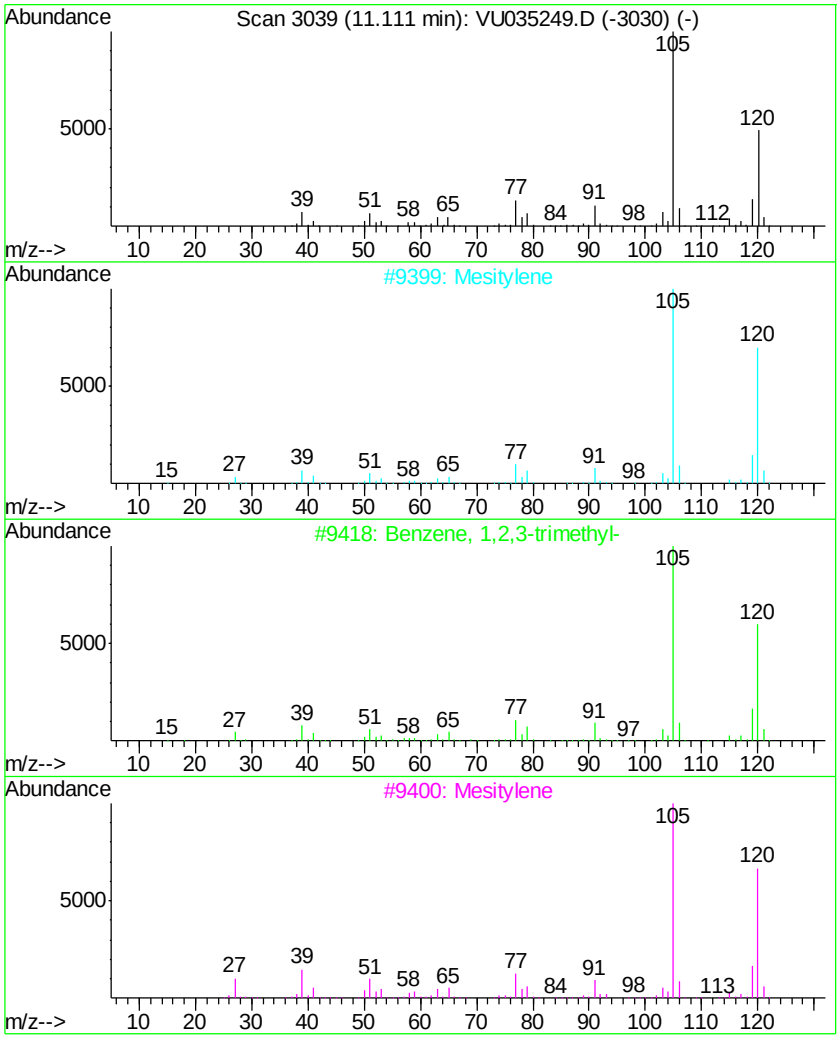
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

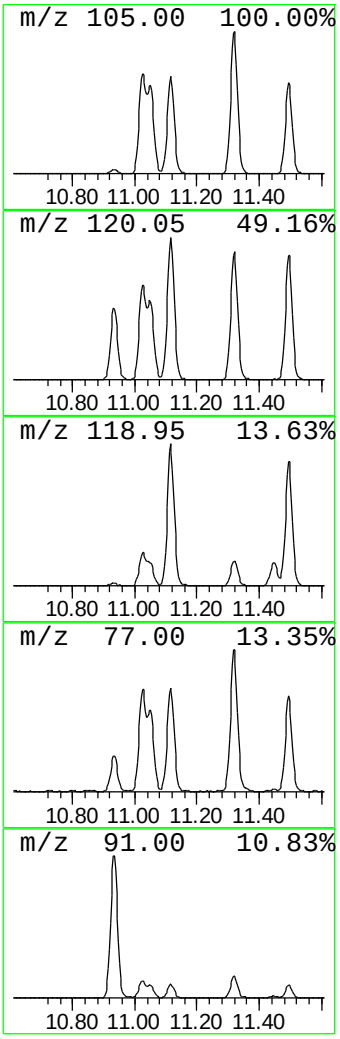
****

Peak Number 12 Mesitylene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	3.41 ug/L	879976	1,4-Dichlorobenzene-d4	11.84

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





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

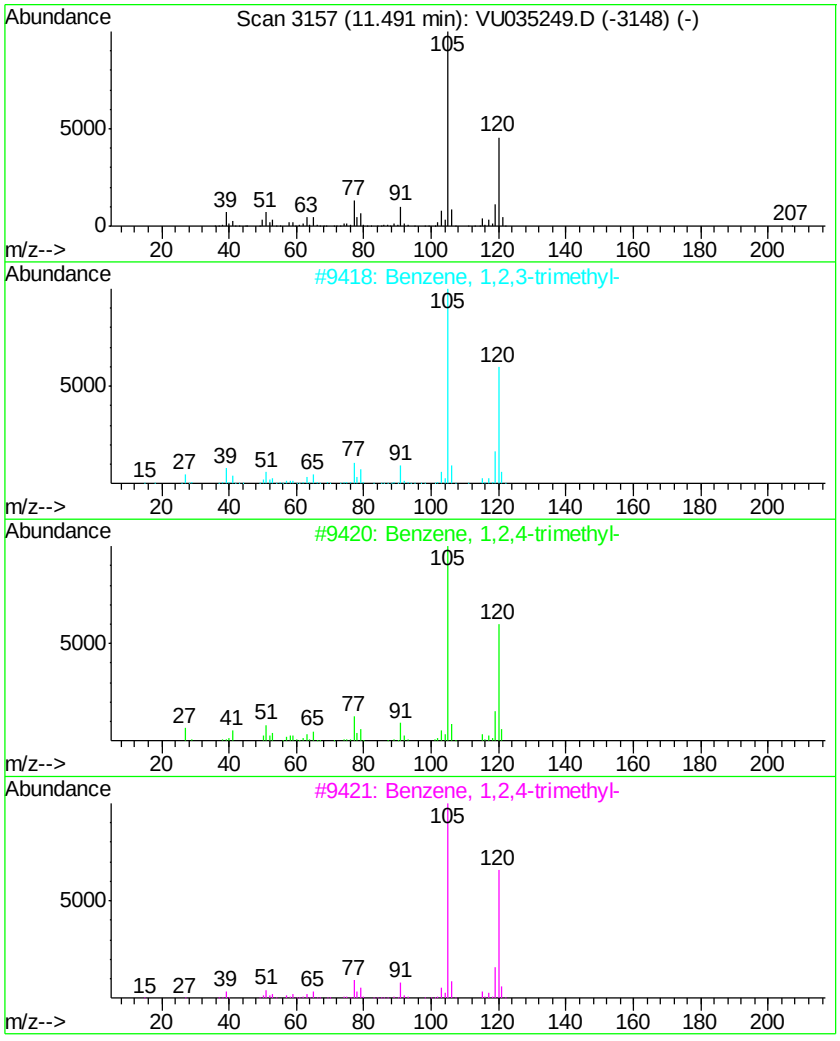
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

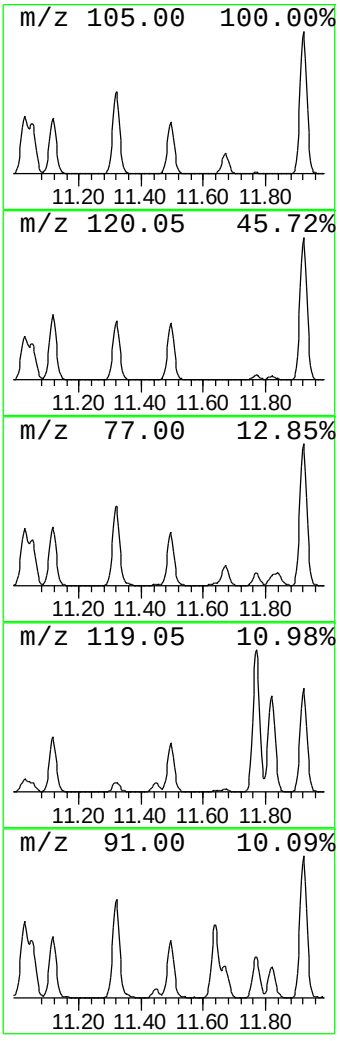
****

Peak Number 14 Benzene, 1,2,3-trimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	3.09 ug/L	796231	1,4-Dichlorobenzene-d4	11.84

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





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Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

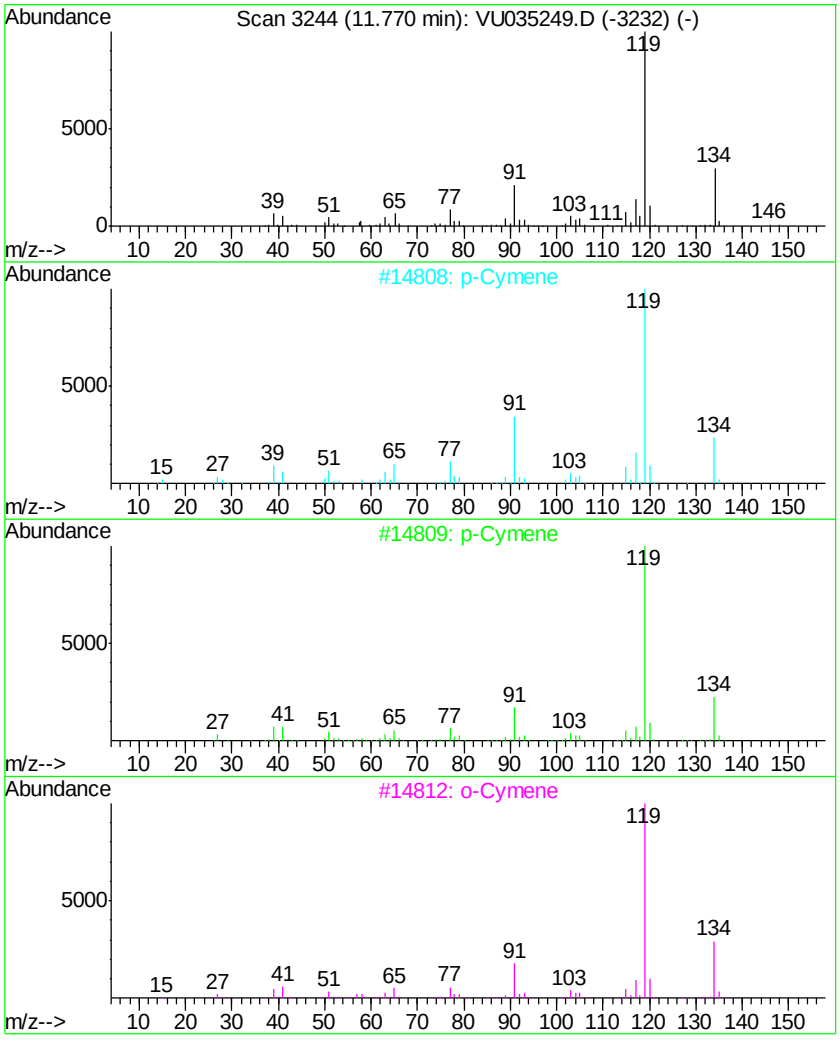
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

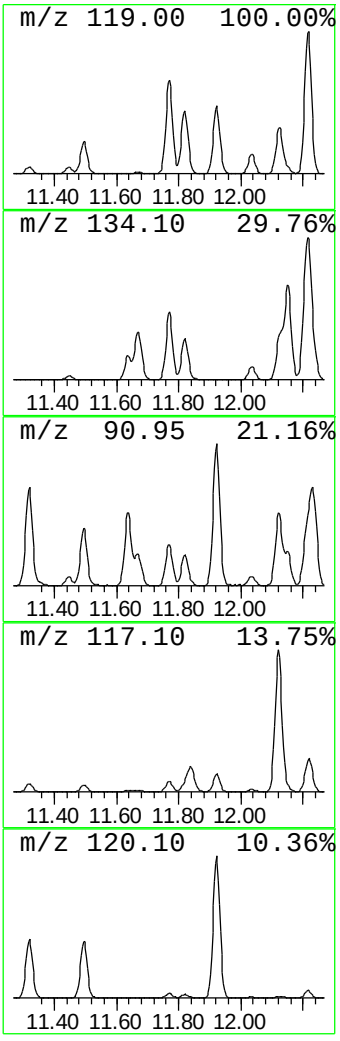
****

Peak Number 15 p-Cymene Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	1.14 ug/L	292889	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	95
2	p-Cymene	134	C10H14	000099-87-6	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	o-Cymene	134	C10H14	000527-84-4	94
5	o-Cymene	134	C10H14	000527-84-4	94





Library Search Compound Report

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Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

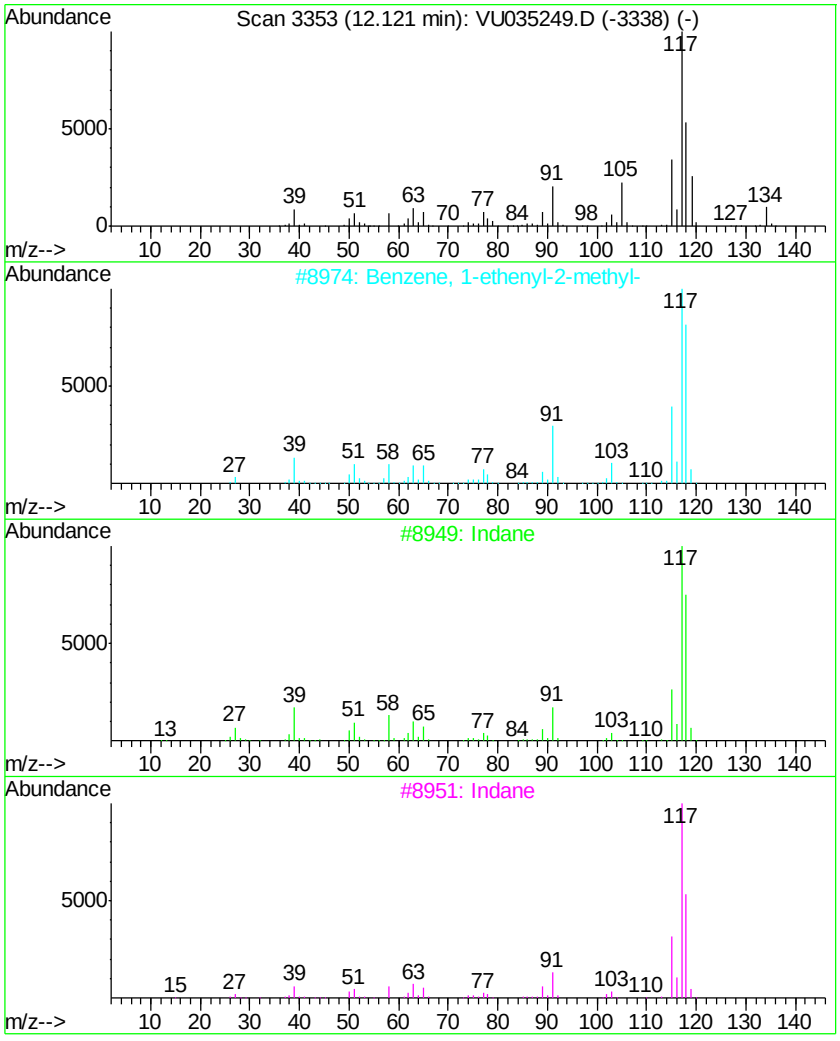
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

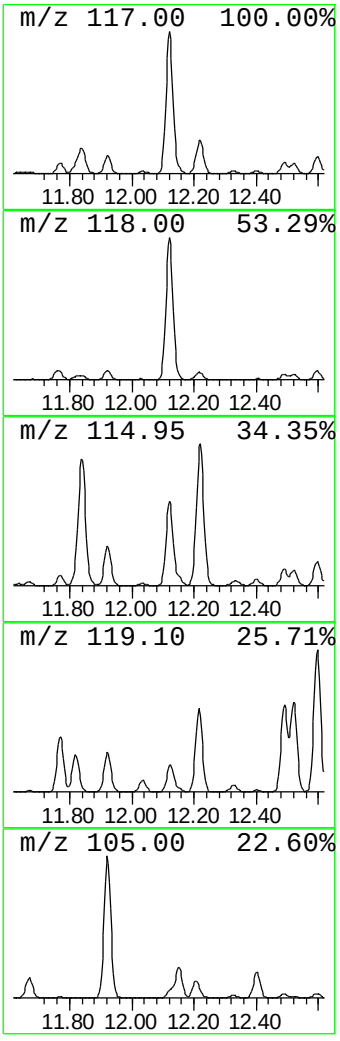
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benzene, 1-ethenyl-2-methyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.06 ug/L	789548	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	86
2	Indane	118	C9H10	000496-11-7	70
3	Indane	118	C9H10	000496-11-7	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

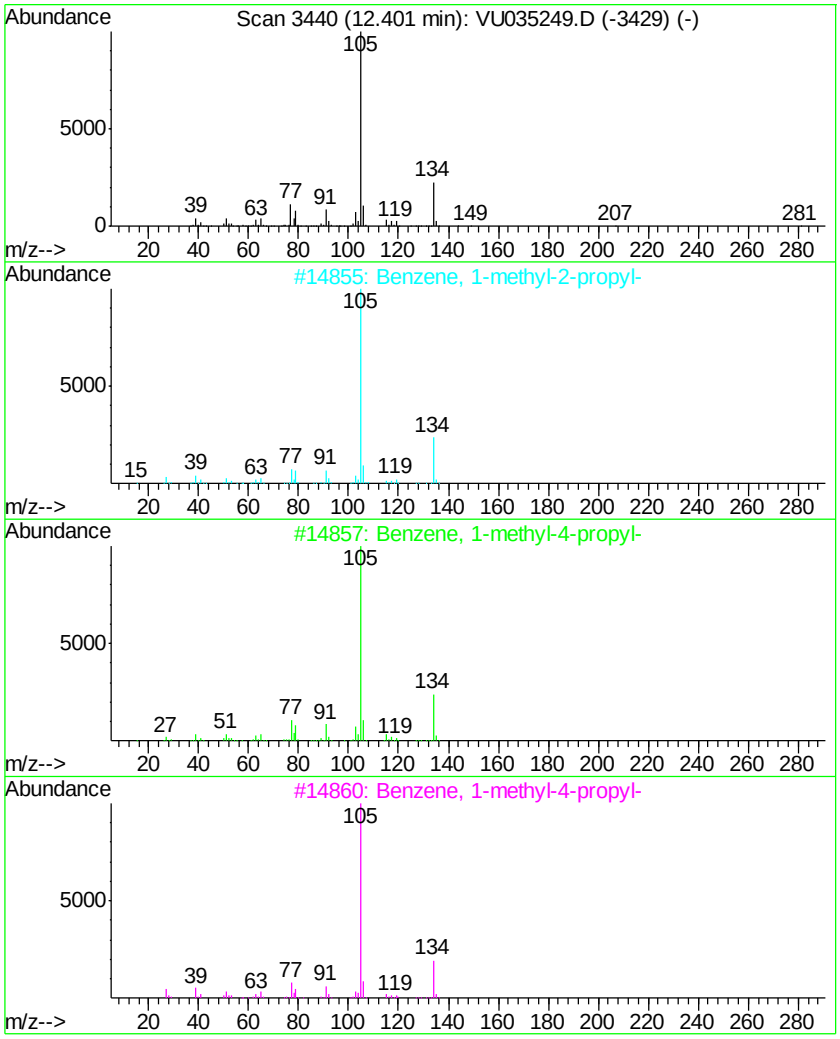
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

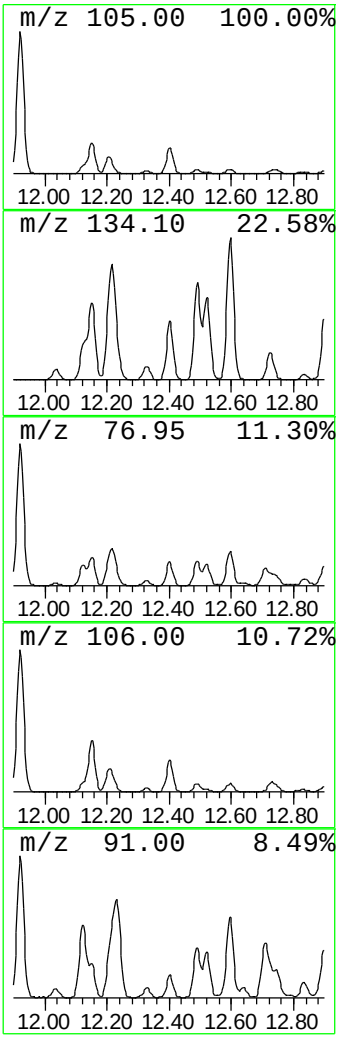
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 1-methyl-2-propyl- Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	1.24 ug/L	319613	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	94
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	93
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	91
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	90





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Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

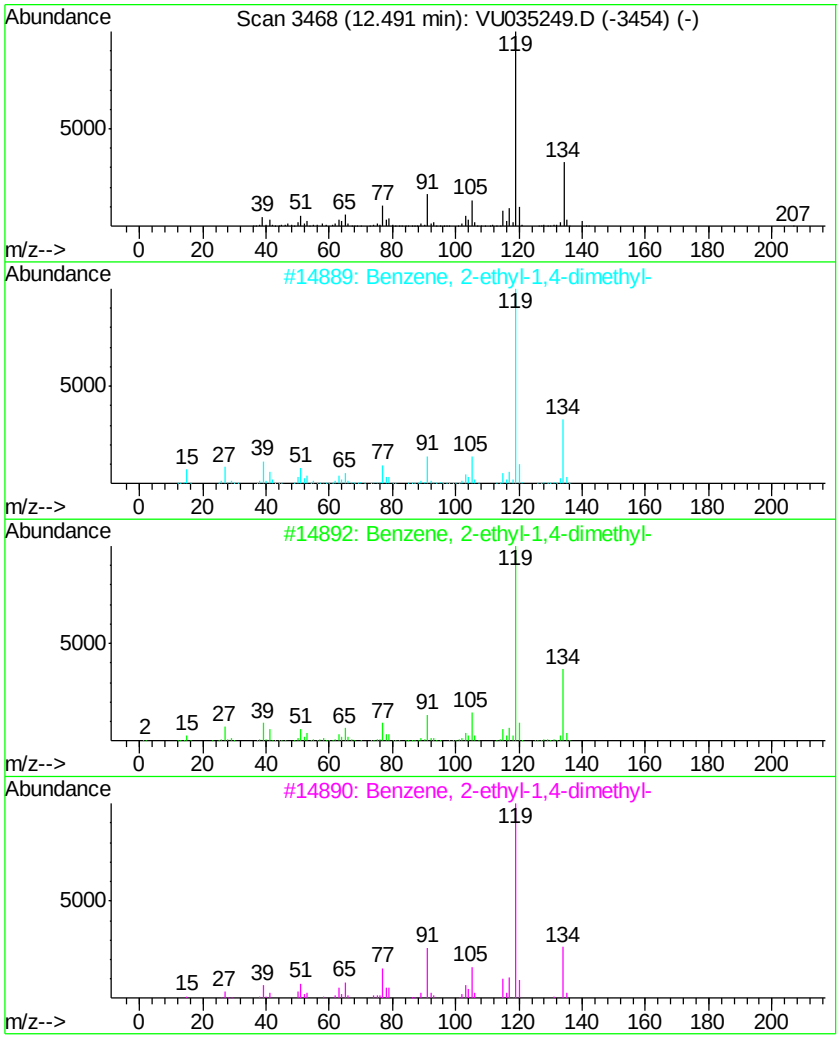
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

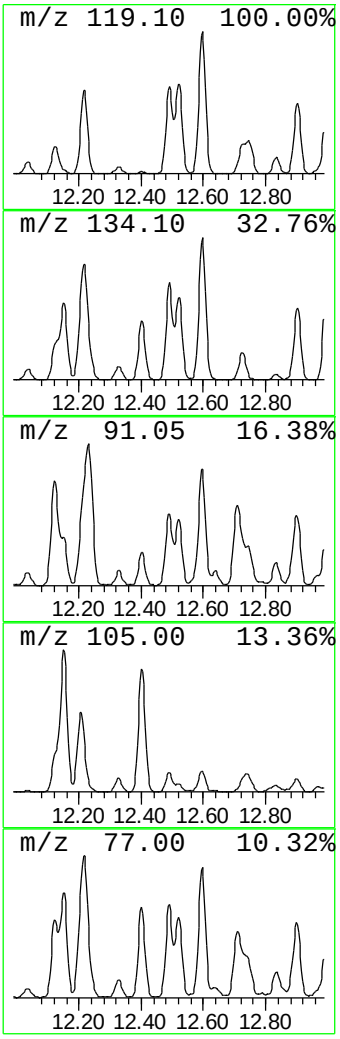
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	1.96 ug/L	505835	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

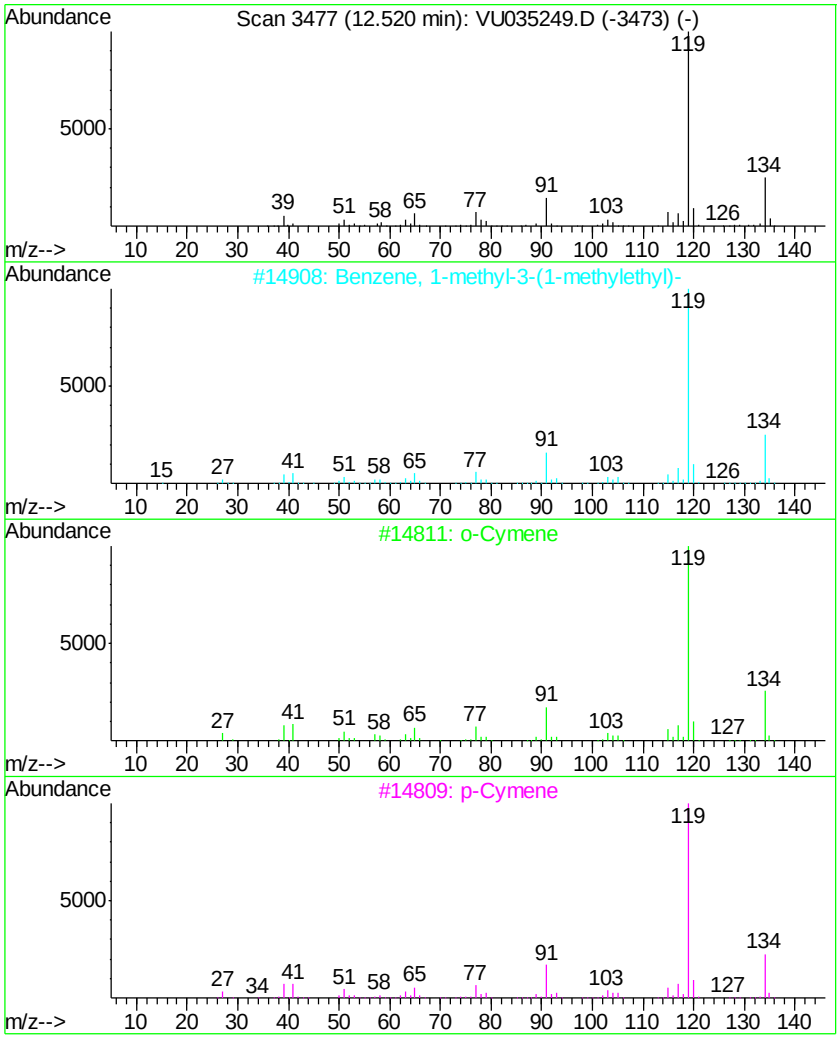
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

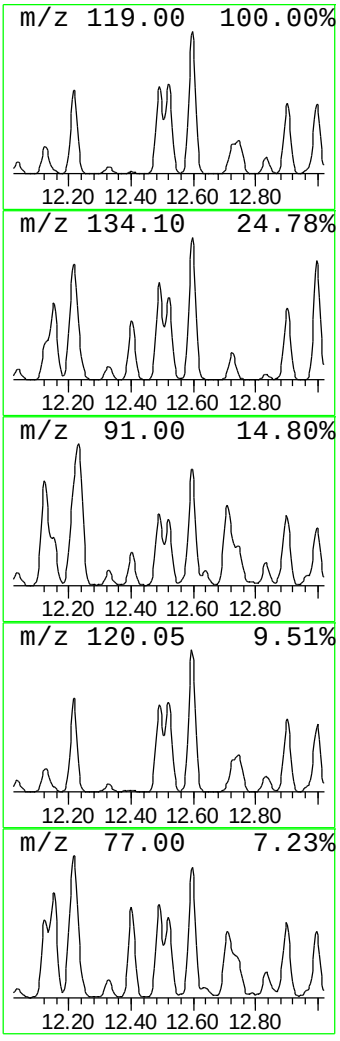
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 1-methyl-3-(1-meth... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	1.36 ug/L	349591	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	p-Cymene	134	C10H14	000099-87-6	94
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

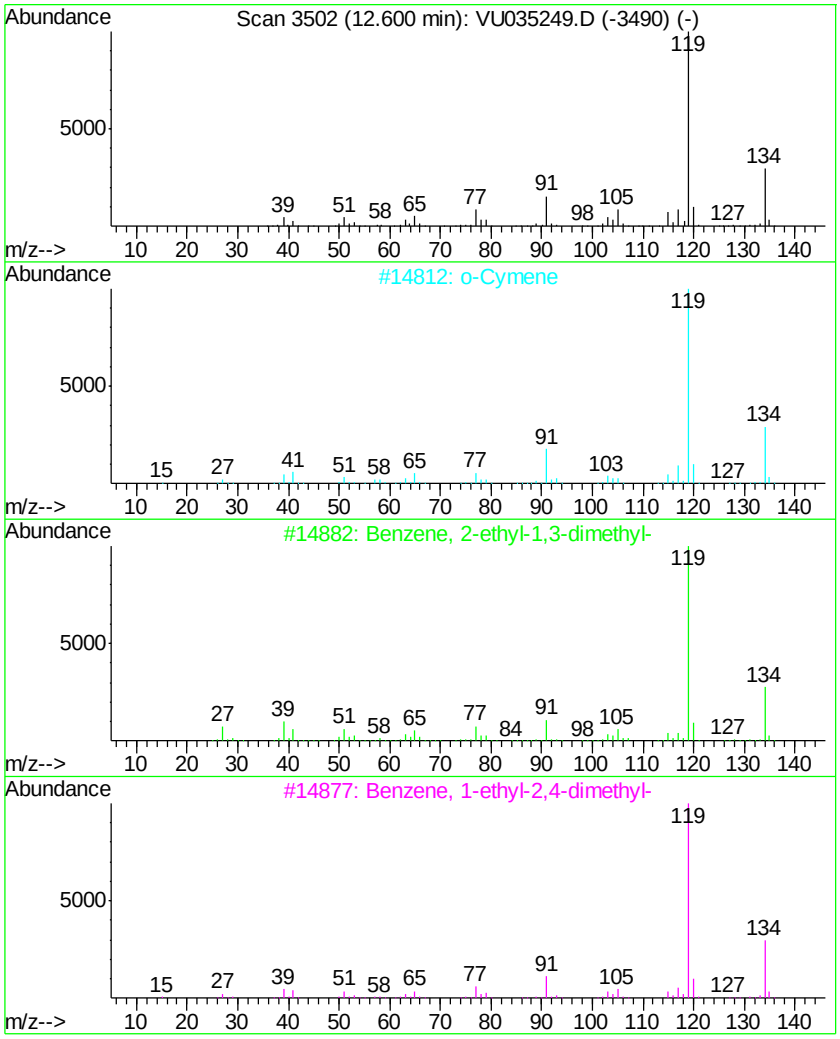
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

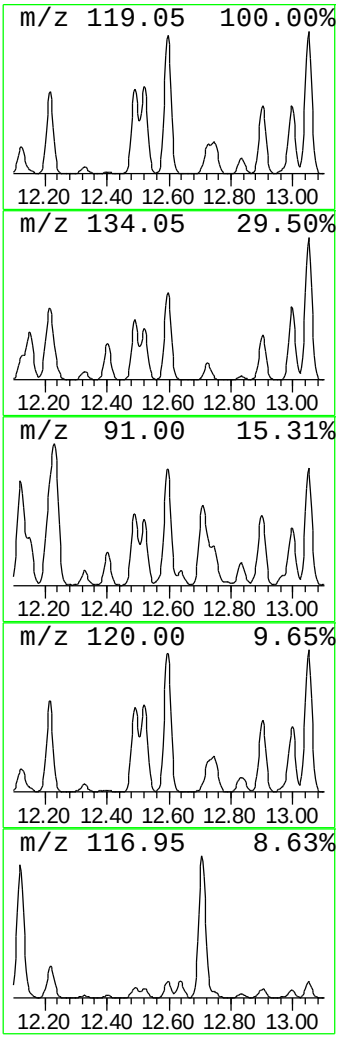
****

Peak Number 21 o-Cymene Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	2.54 ug/L	654371	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	97
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





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Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

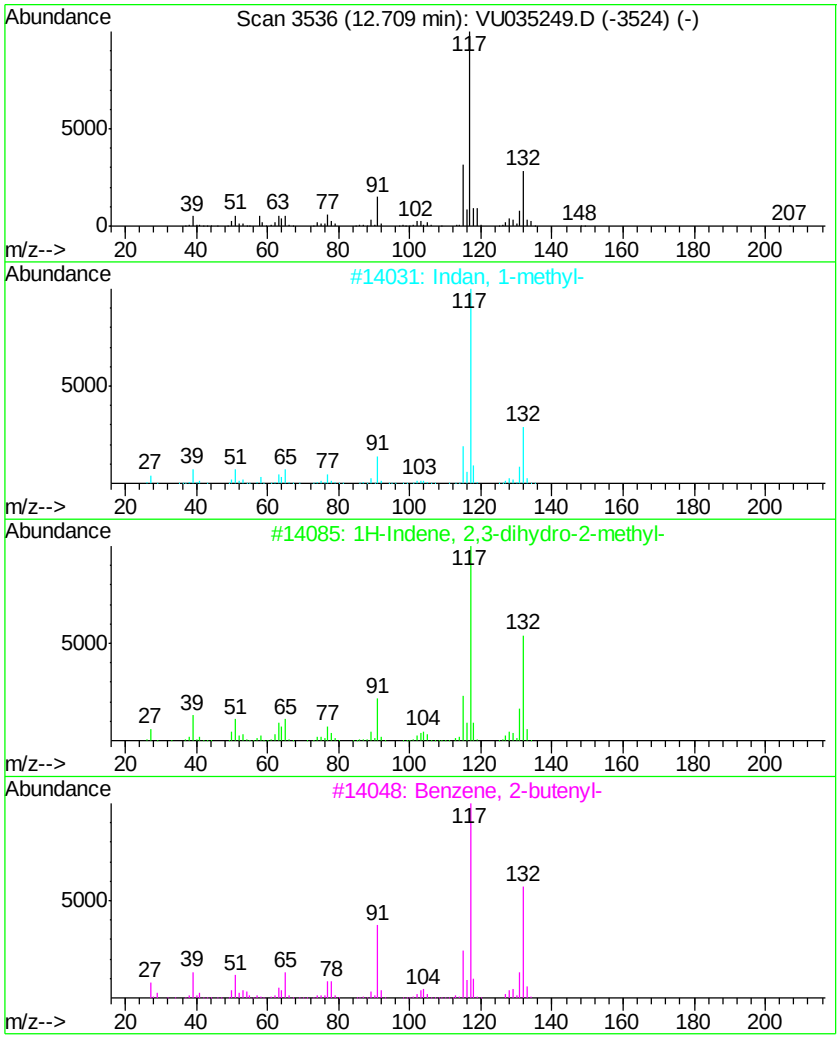
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

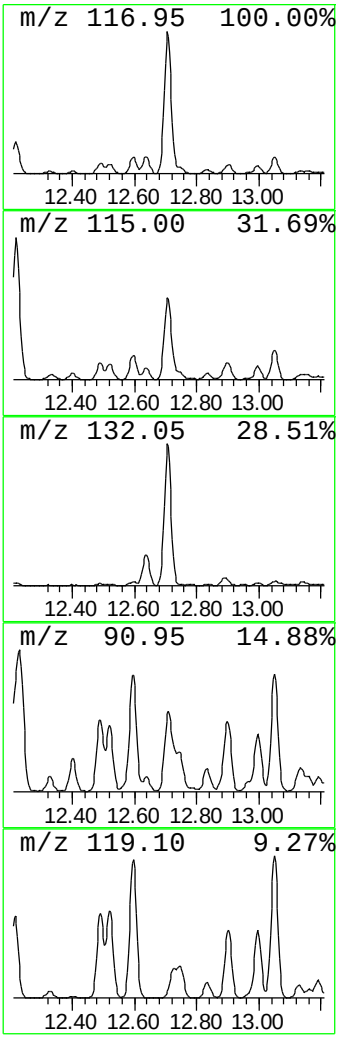
****

Peak Number 22 Indan, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	3.52 ug/L	907760	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	93
2	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	87
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

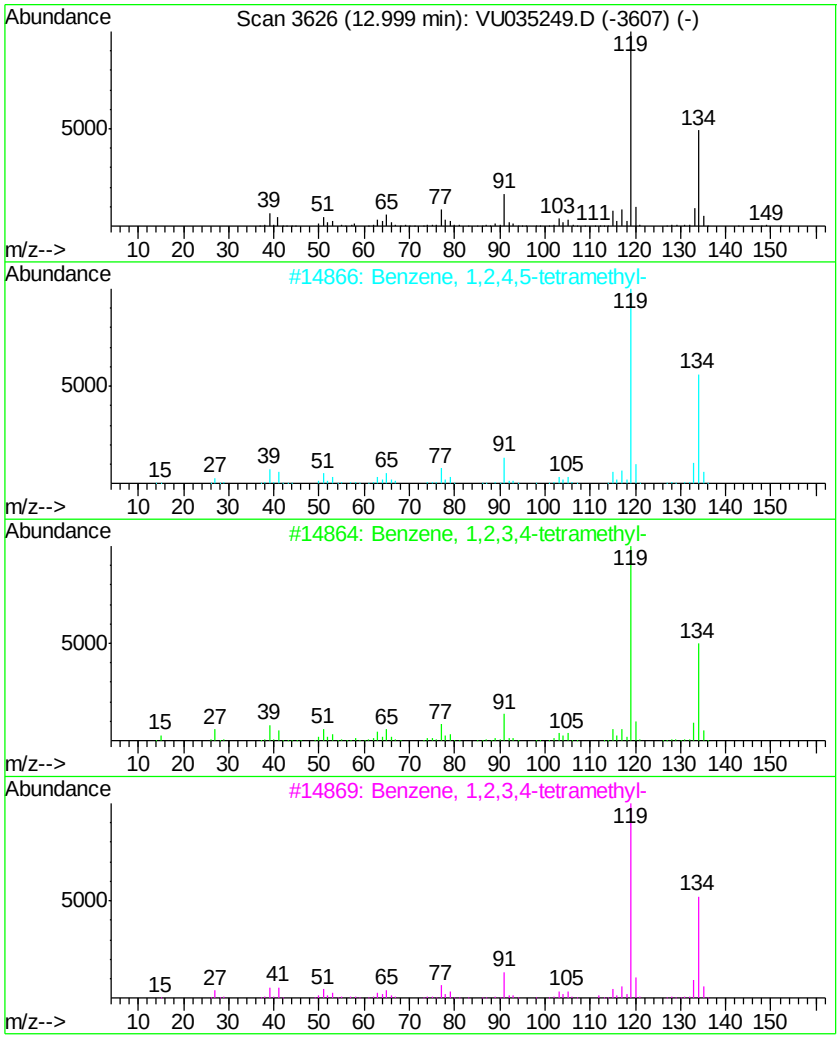
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

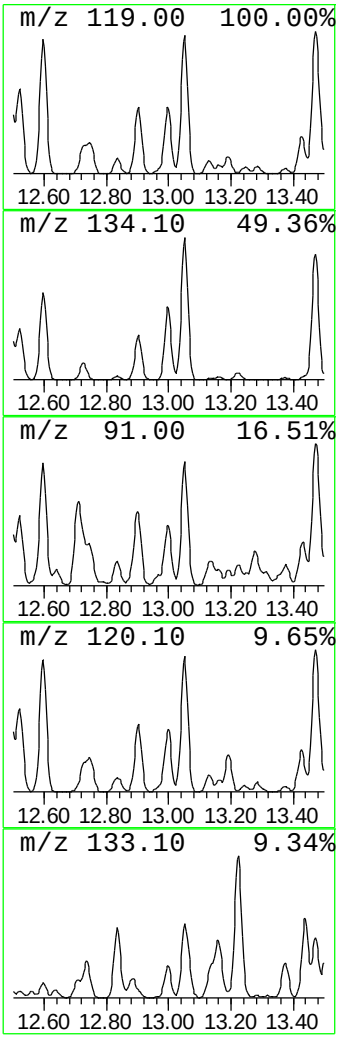
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	1.62 ug/L	416691	1,4-Dichlorobenzene-d4	11.84

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





Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

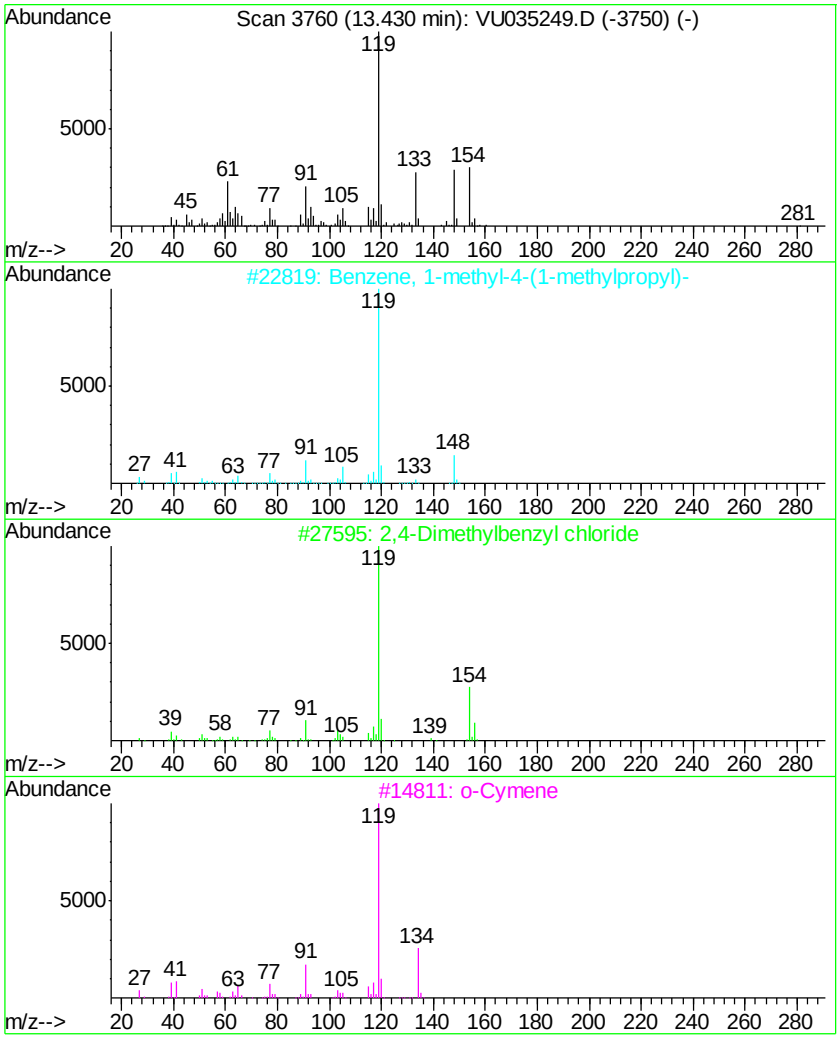
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

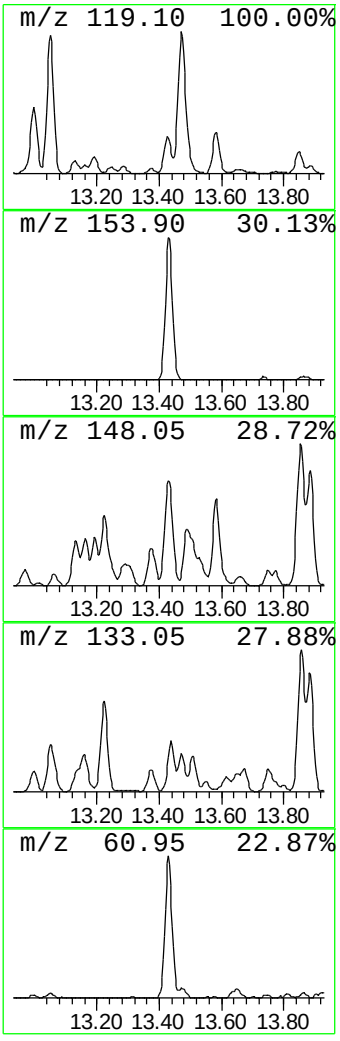
****

Peak Number 26 Benzene, 1-methyl-4-(1-meth... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	1.32 ug/L	340574	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	60
2	2,4-Dimethylbenzyl chloride	154	C9H11Cl	000824-55-5	53
3	o-Cymene	134	C10H14	000527-84-4	50
4	p-Cymene	134	C10H14	000099-87-6	50
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

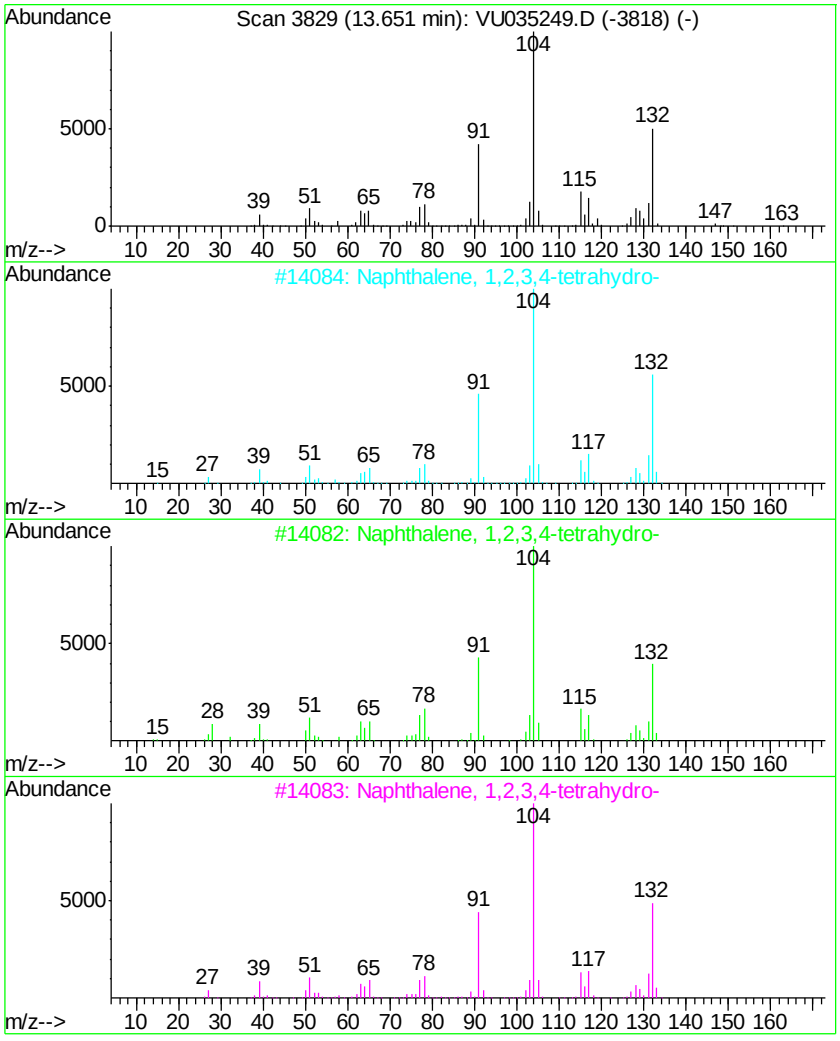
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

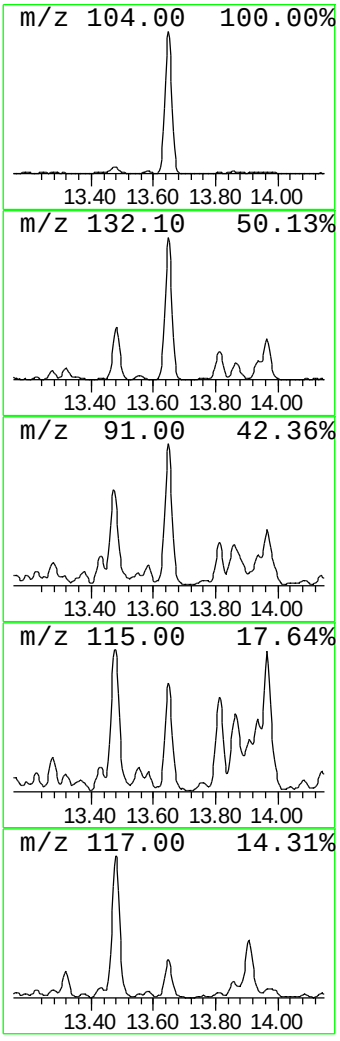
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	3.04 ug/L	783904	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	91
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	87
5	Indan, epoxide	132	C9H8O	000768-22-9	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

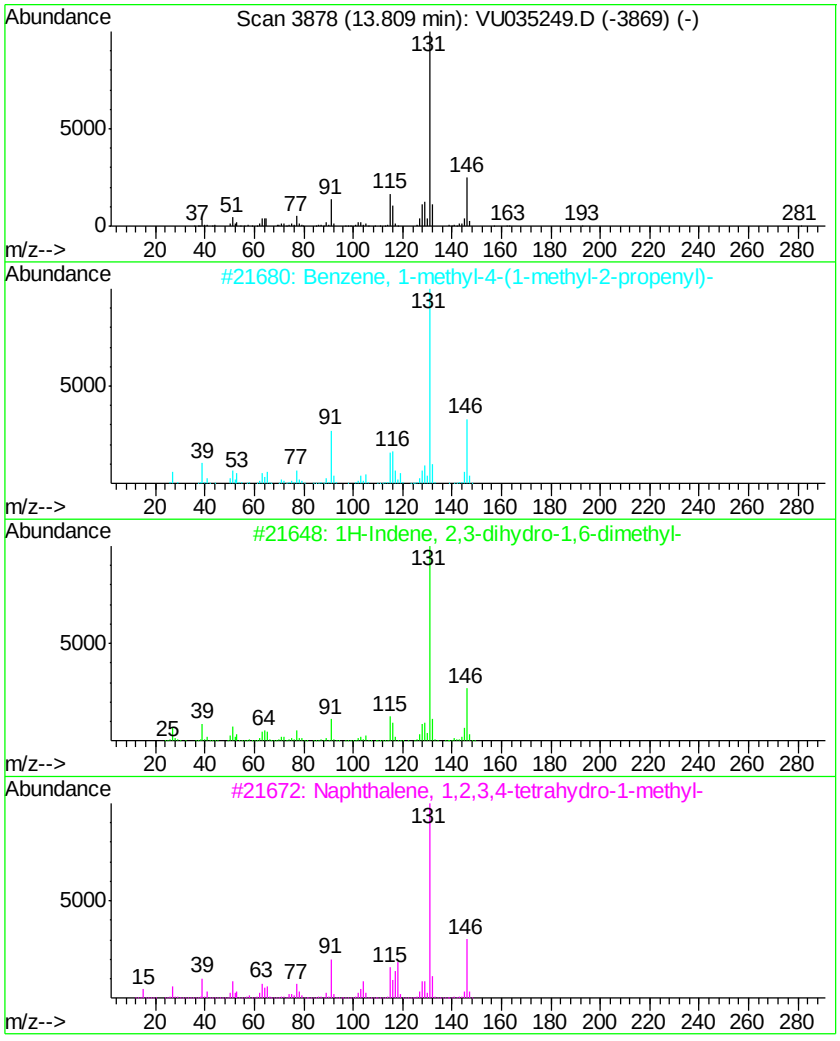
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

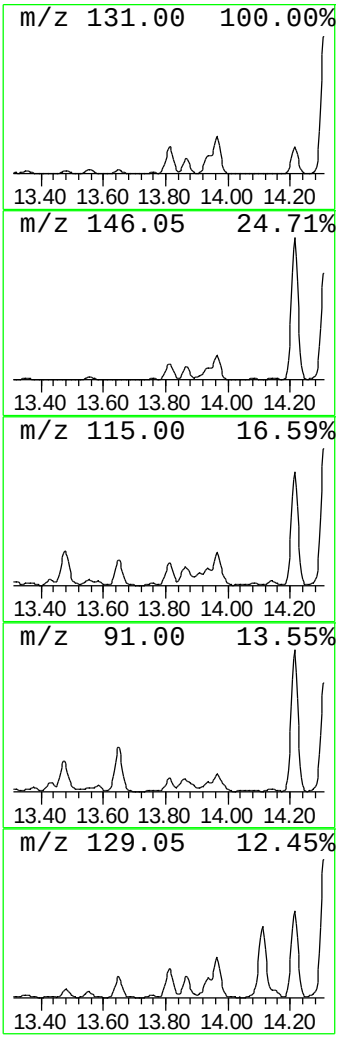
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Benzene, 1-methyl-4-(1-meth... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	1.62 ug/L	417642	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	91
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

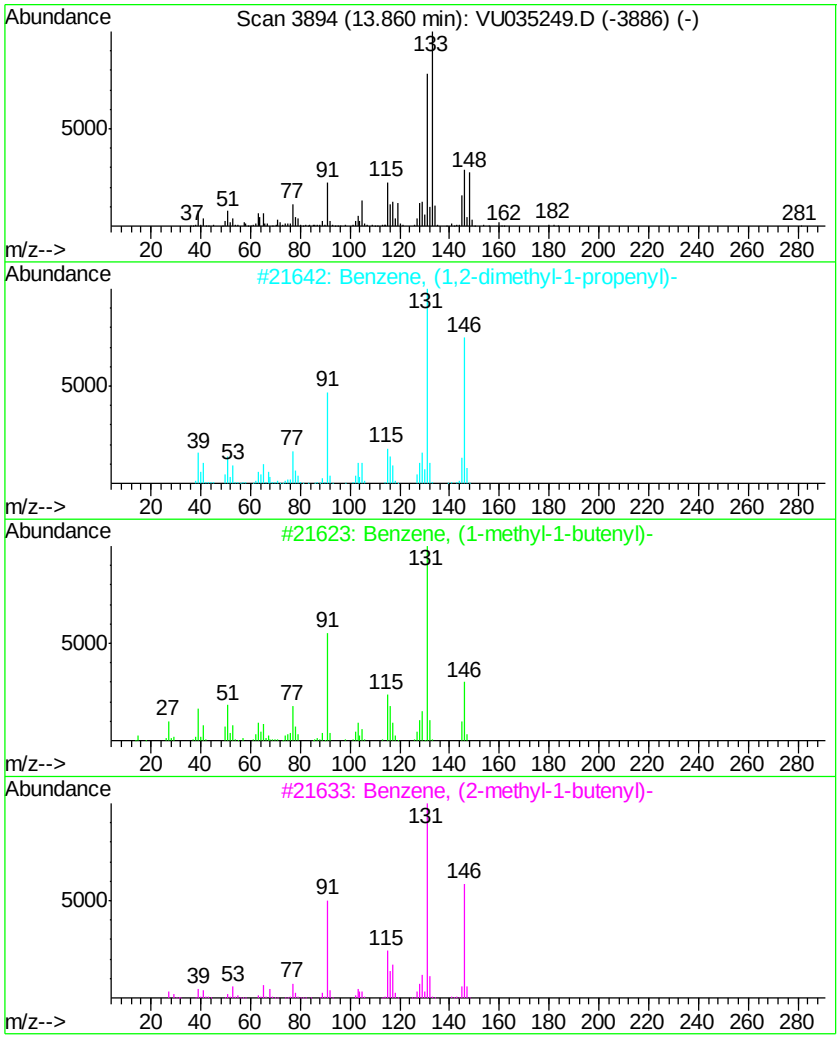
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

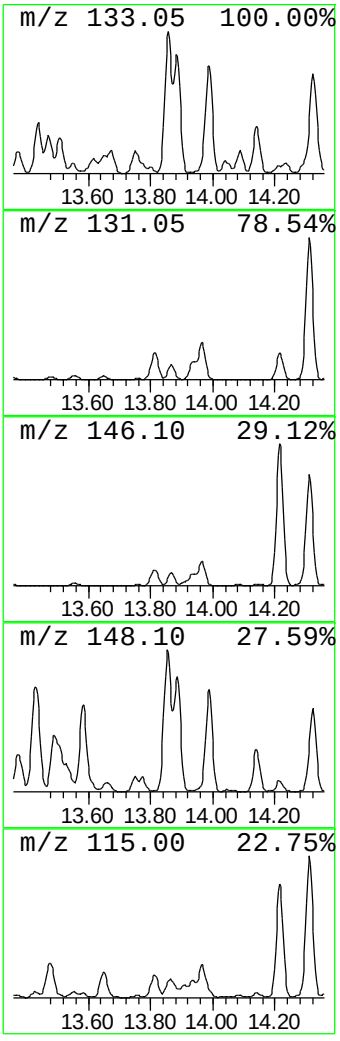
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 30 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	2.21 ug/L	568811	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	87
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	86
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

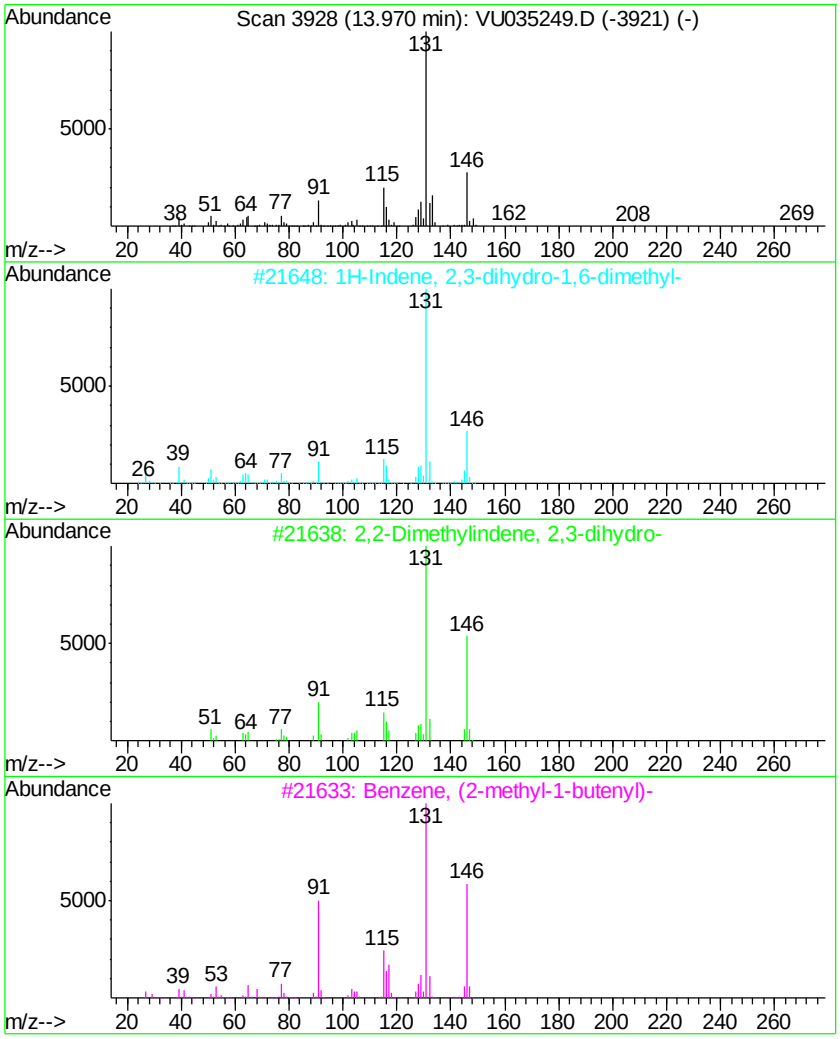
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

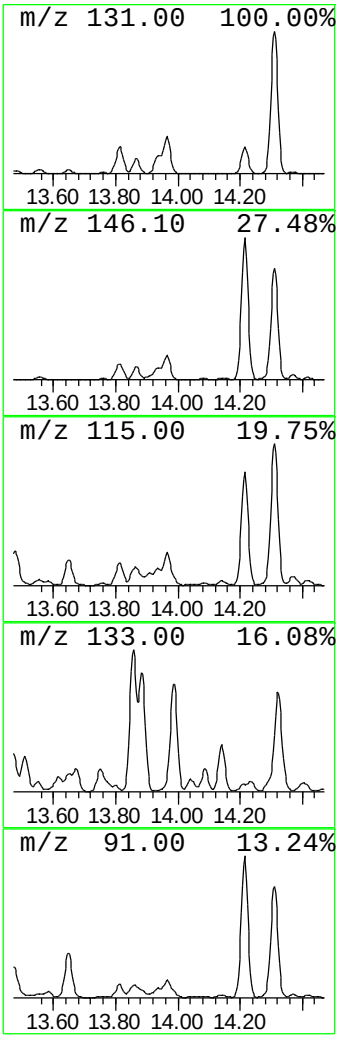
****

Peak Number 31 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	2.92 ug/L	753597	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	91
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

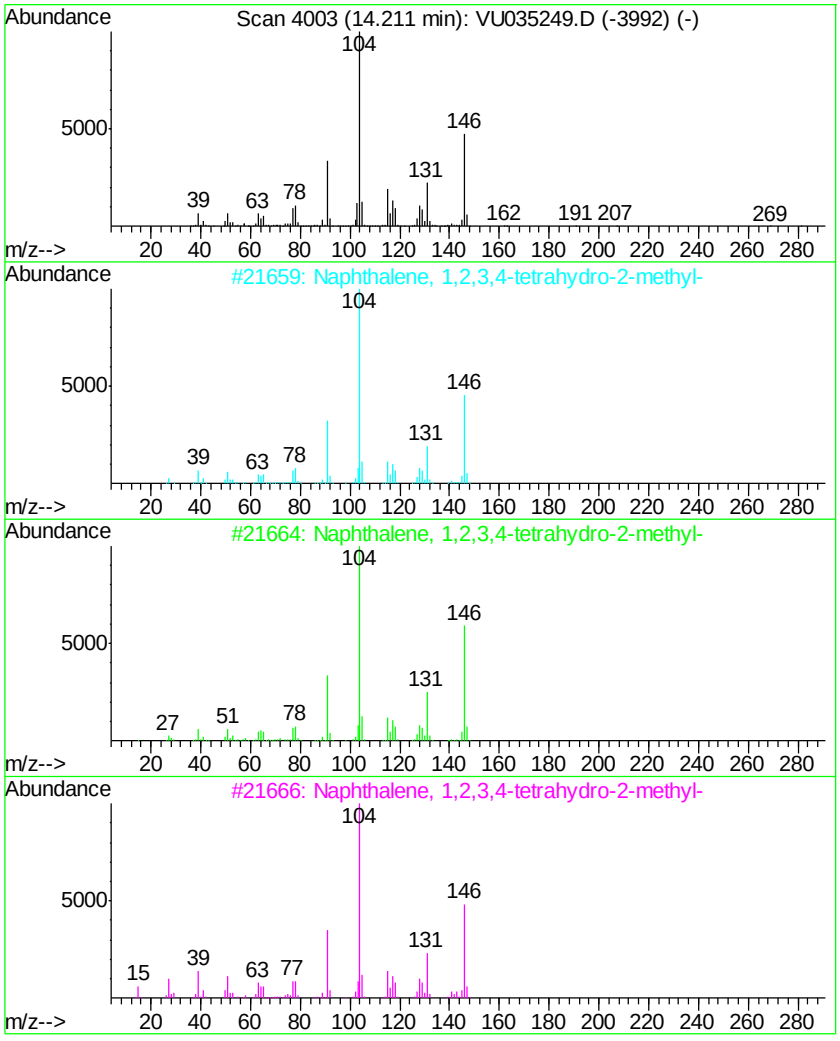
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

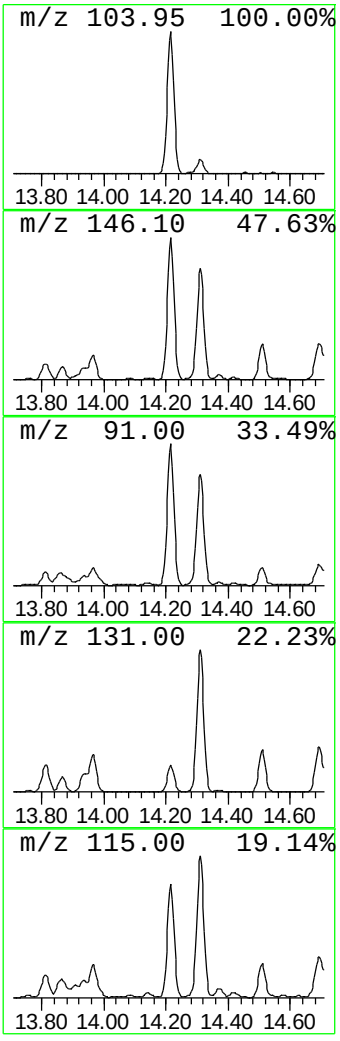
****

Peak Number 33 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	10.91 ug/L	2814450	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	96
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	94
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	91
5	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

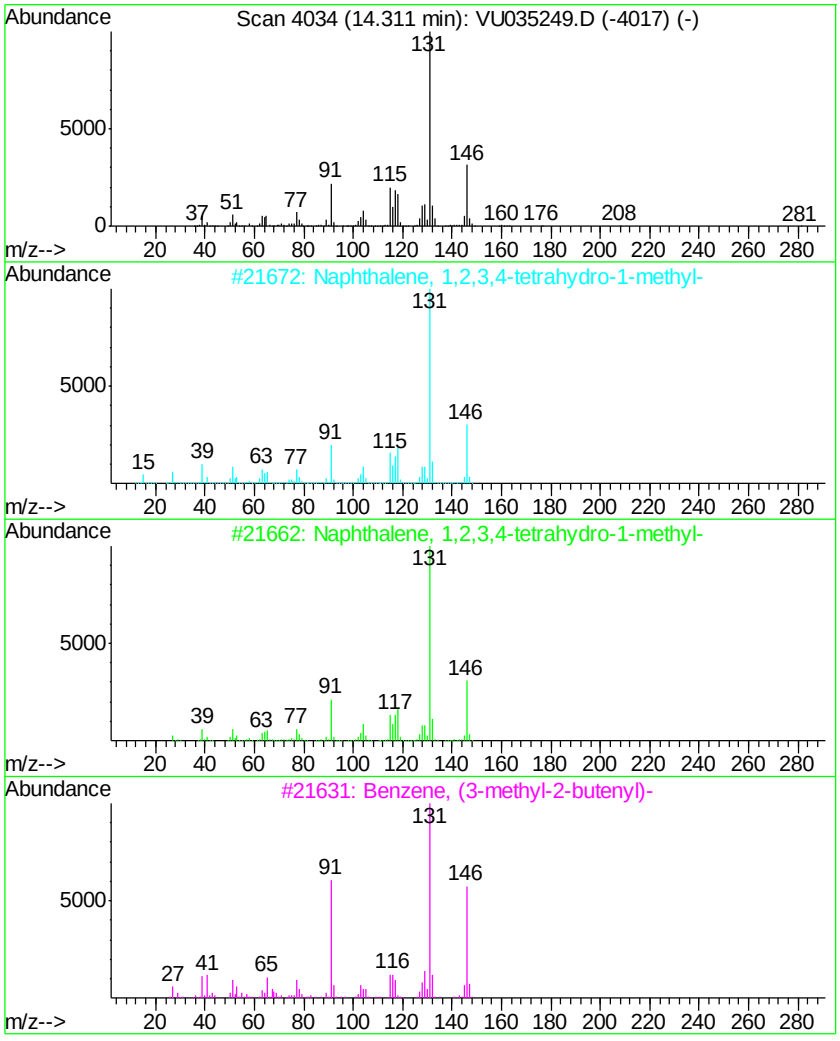
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

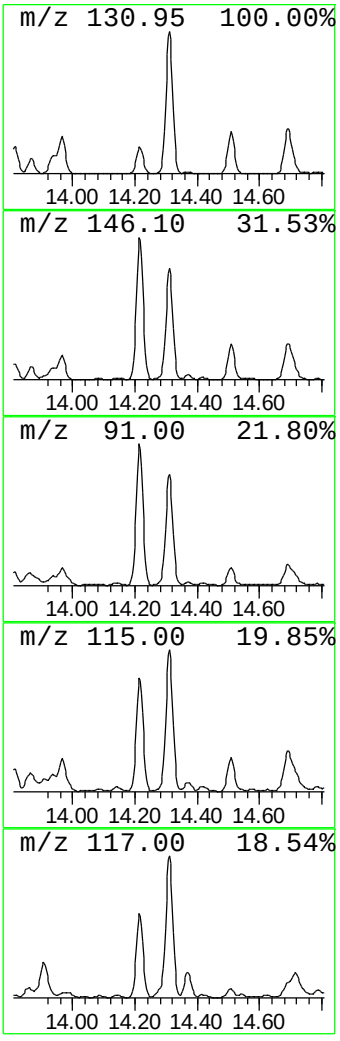
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.31	12.15 ug/L	3133560	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	96
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	95
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	93
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

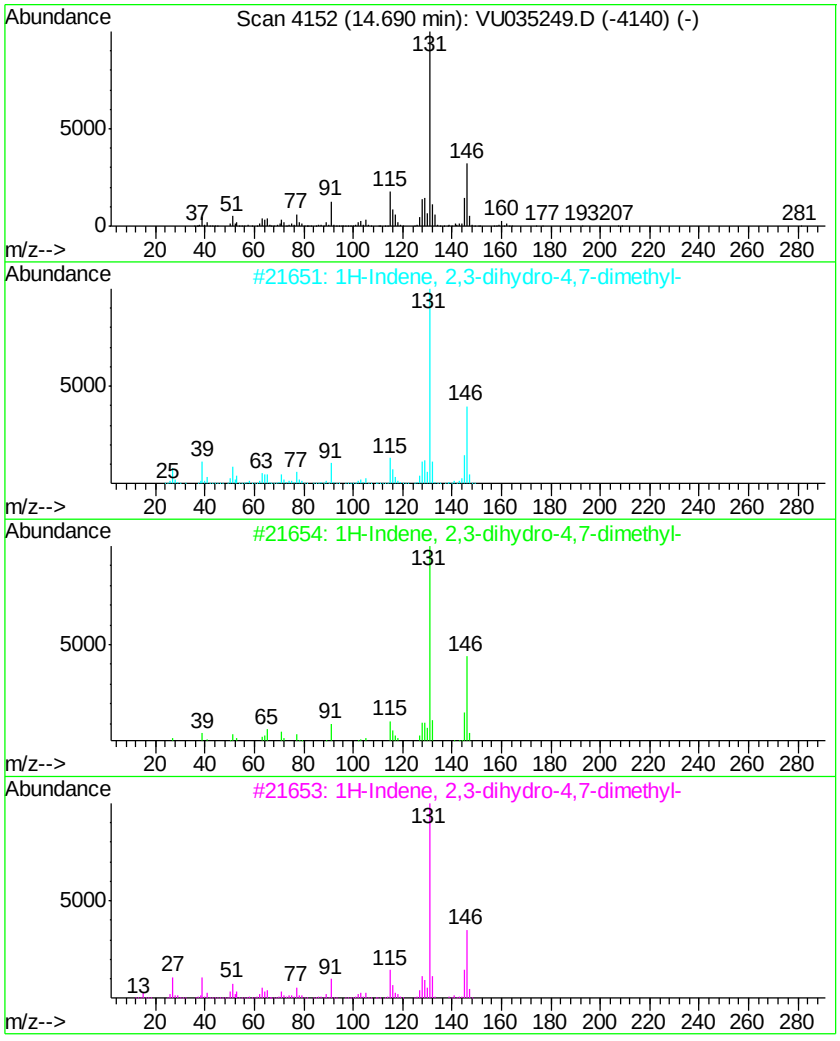
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

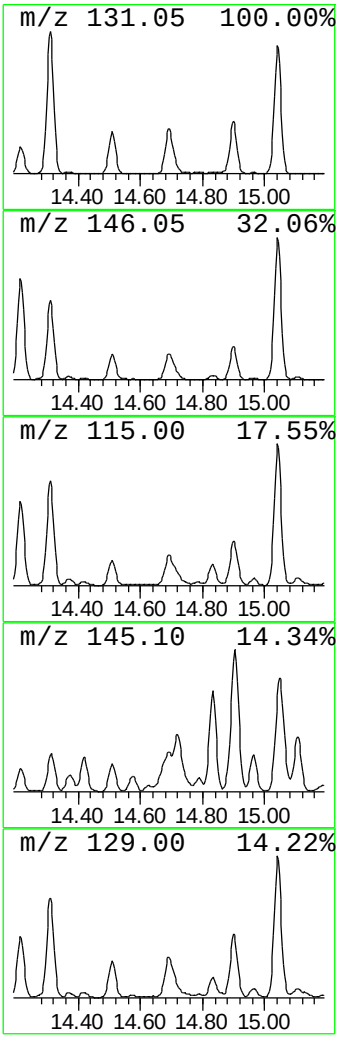
****

Peak Number 36 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	5.34 ug/L	1376020	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	97
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	96
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	96
4	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	94
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

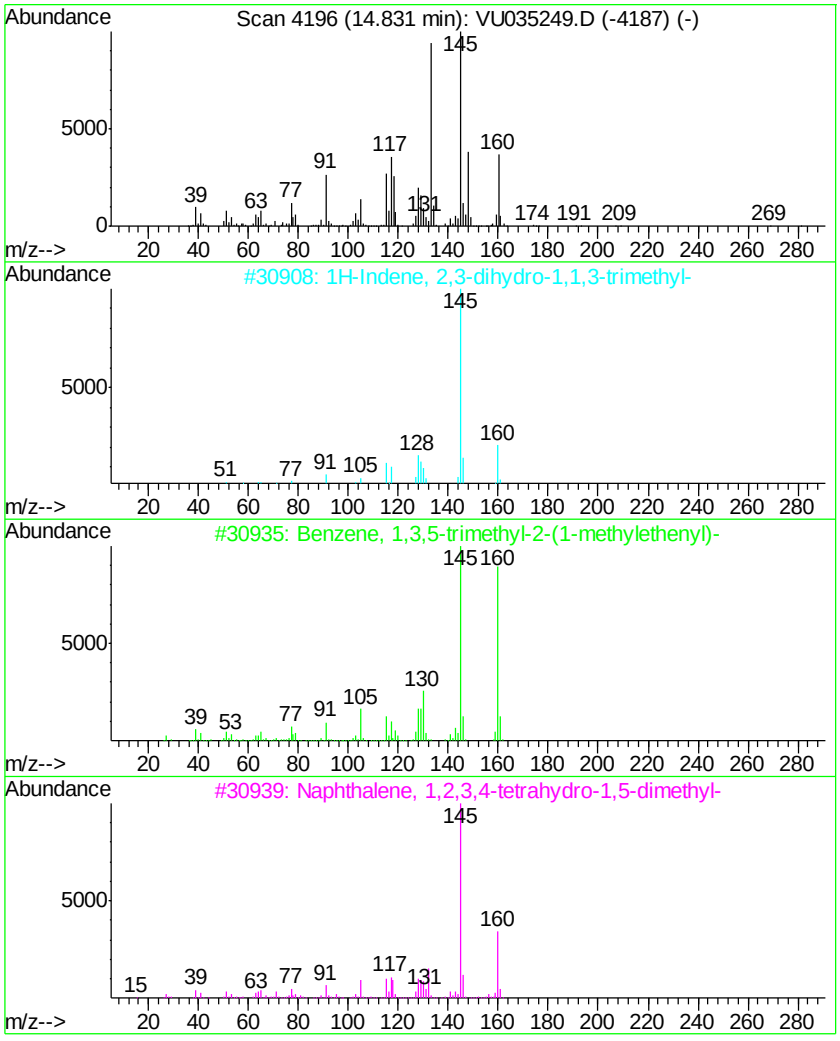
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

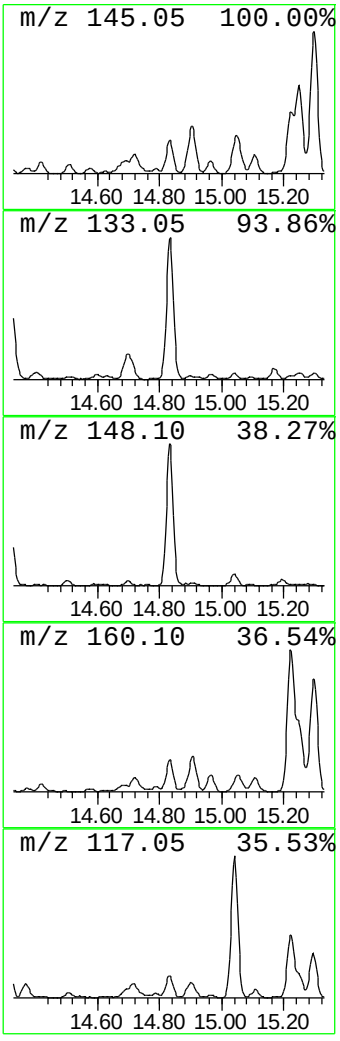
****

Peak Number 37 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	2.67 ug/L	687713	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	87
2	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	60
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	55
4	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	50
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

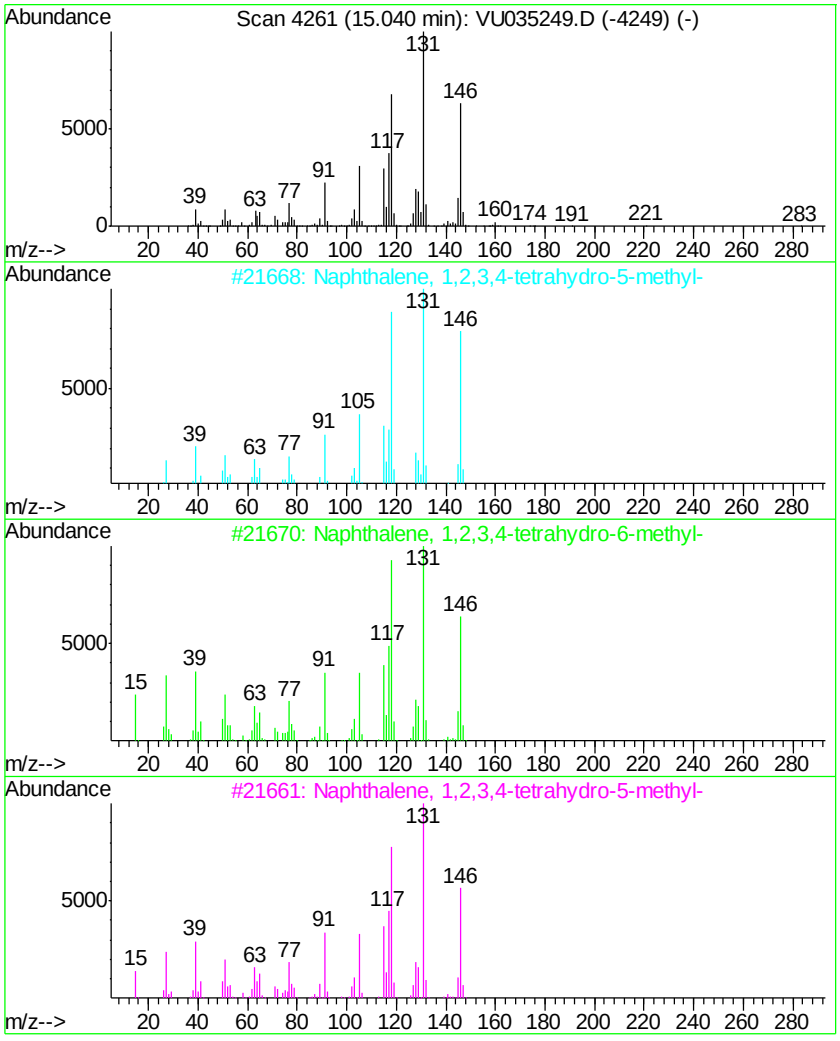
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

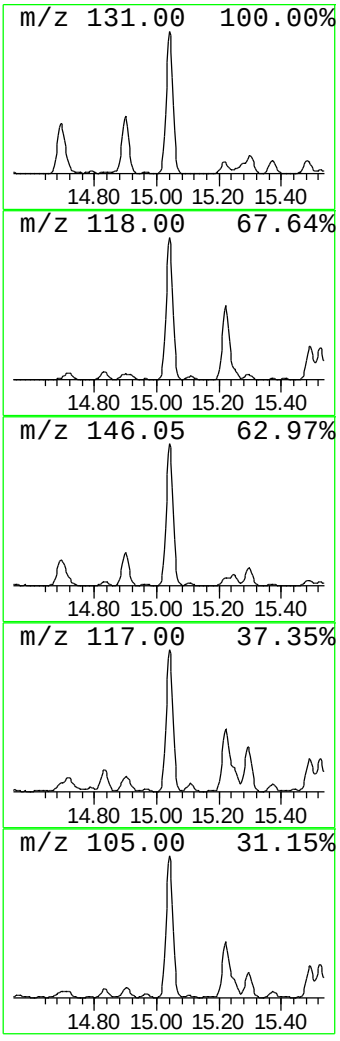
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	17.31 ug/L	4463400	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	97
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	96
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	96
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

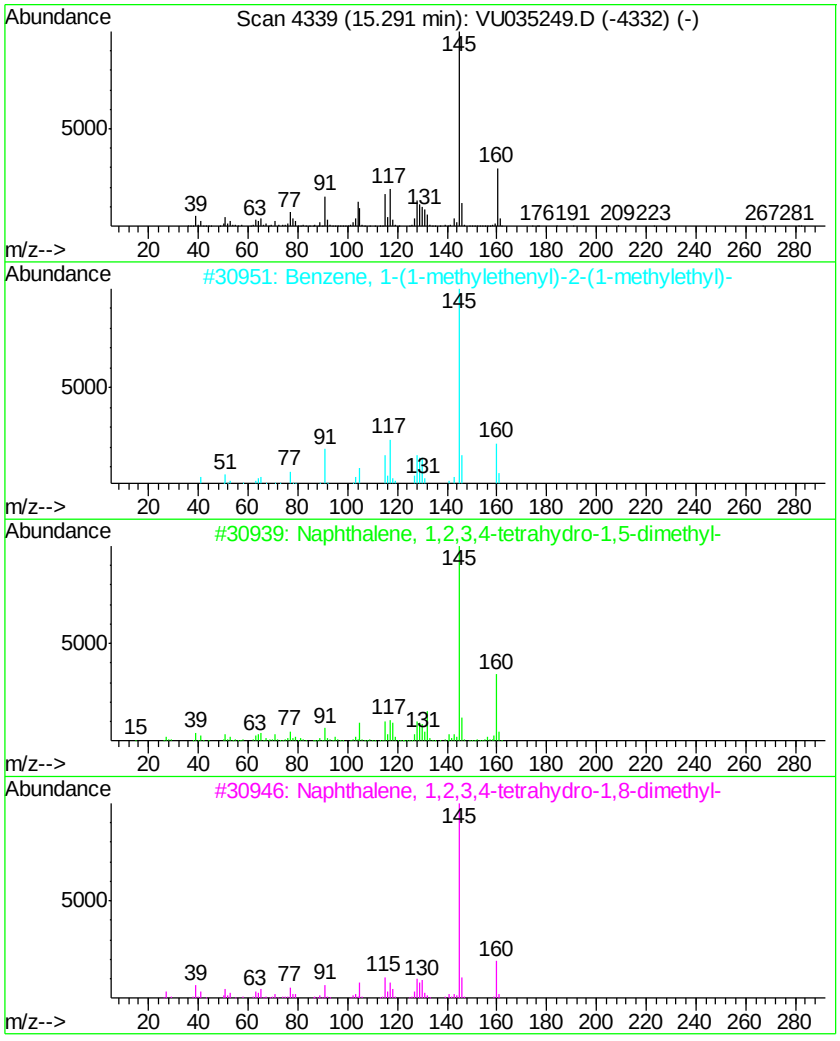
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

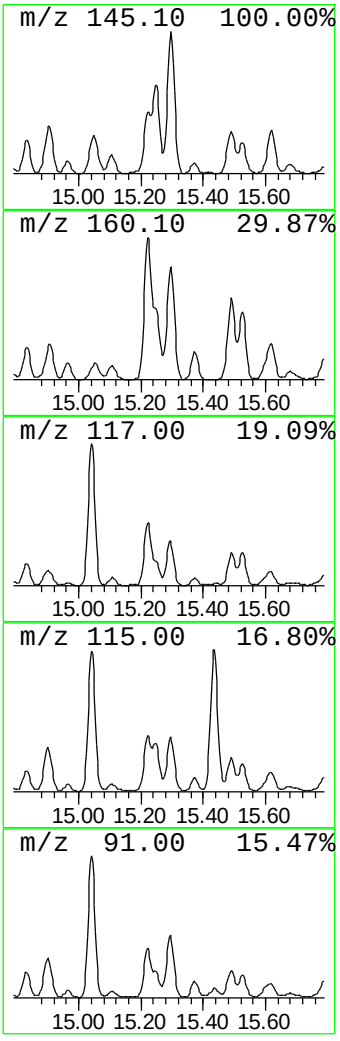
****

Peak Number 41 Benzene, 1-(1-methylethenyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	7.77 ug/L	2002650	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	91
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	91
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	90
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	90
5	Benzene, (2,2-dimethyl-1-methyle...	160	C12H16	005676-29-9	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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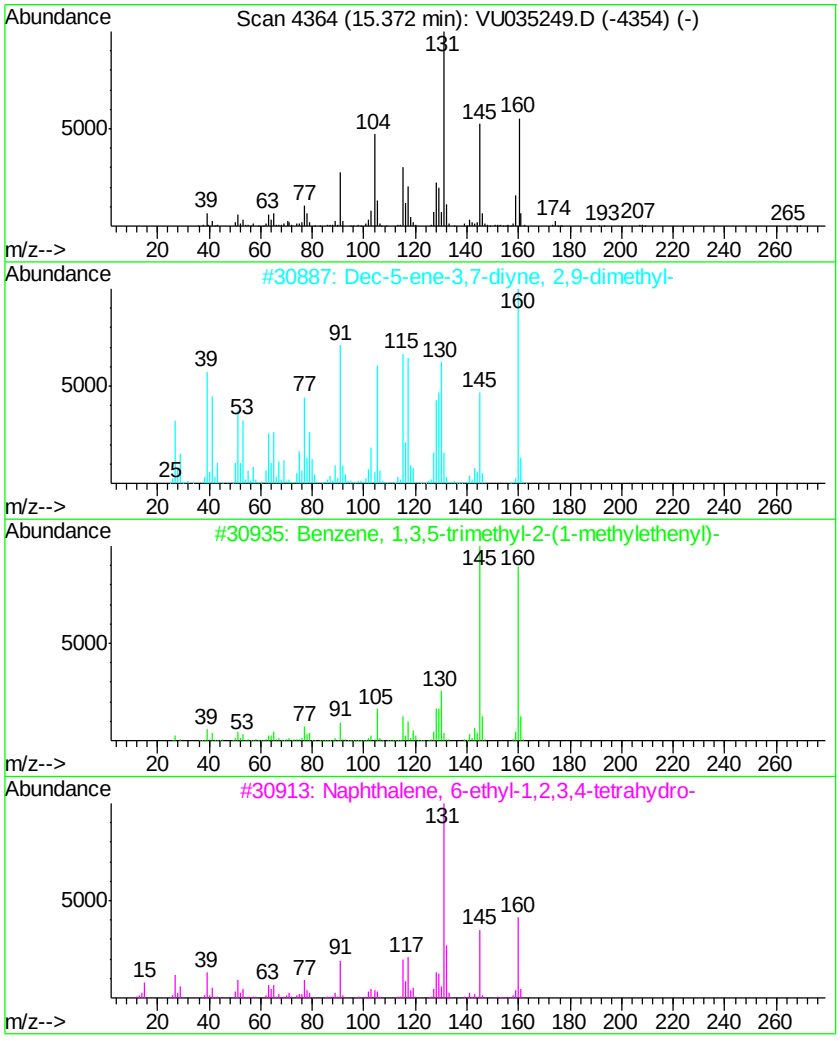
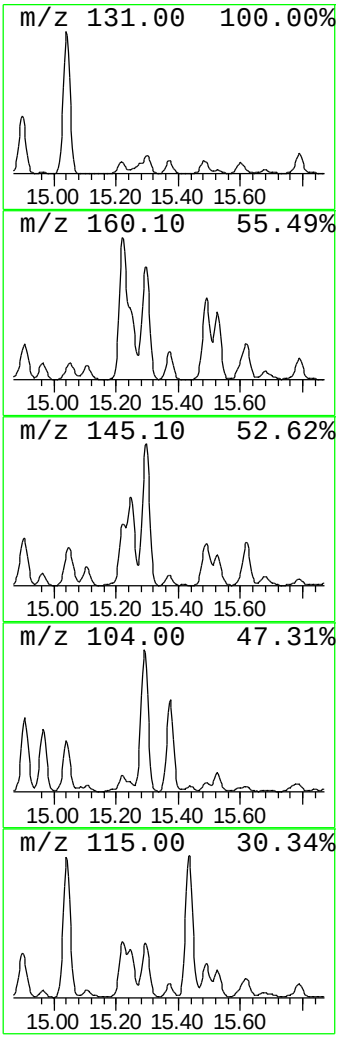
Peak Number 42 unknown-01 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	1.58 ug/L	406734	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dec-5-ene-3,7-diyne, 2,9-dimethyl-	160	C12H16	1000211-23-3	46
2	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	43
3	Naphthalene, 6-ethyl-1,2,3,4-tet...	160	C12H16	022531-20-0	41
4	6-Benzofuranylacetaldehyde	160	C10H8O2	1000301-98-1	41
5	1H-Pyrrolo[2,3-b]pyridine, 2-n-p...	160	C10H12N2	1000212-02-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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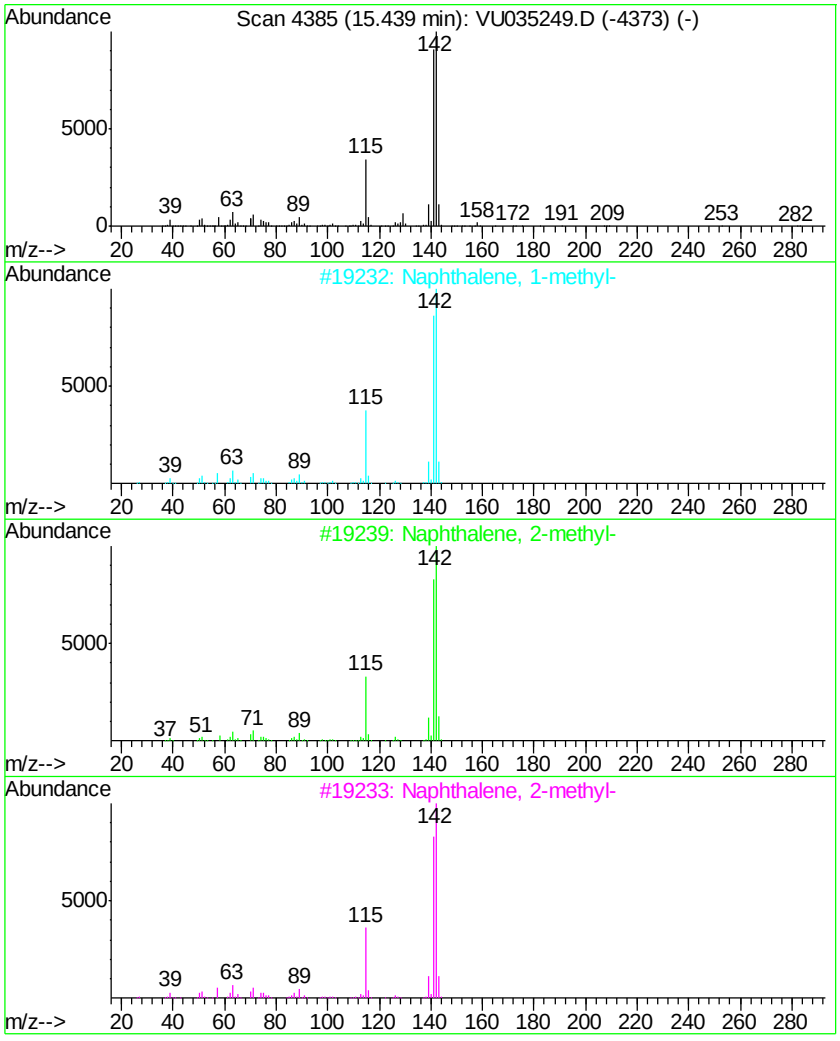
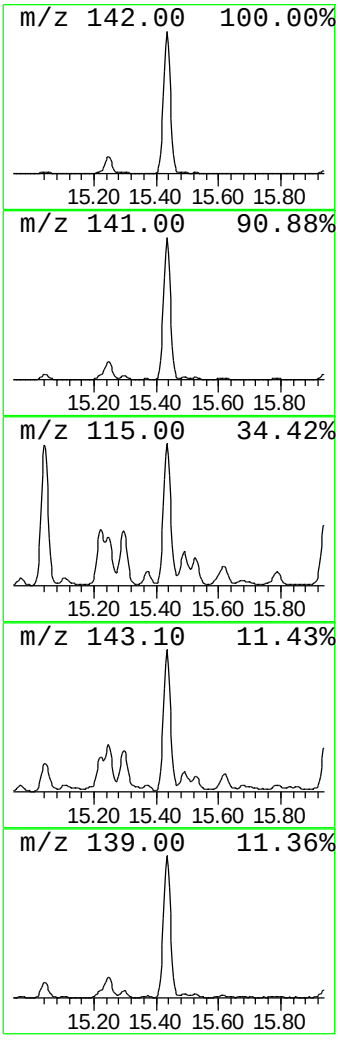
Peak Number 43 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.44	9.18 ug/L	2368400	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Benzocycloheptatriene	142	C11H10	000264-09-5	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

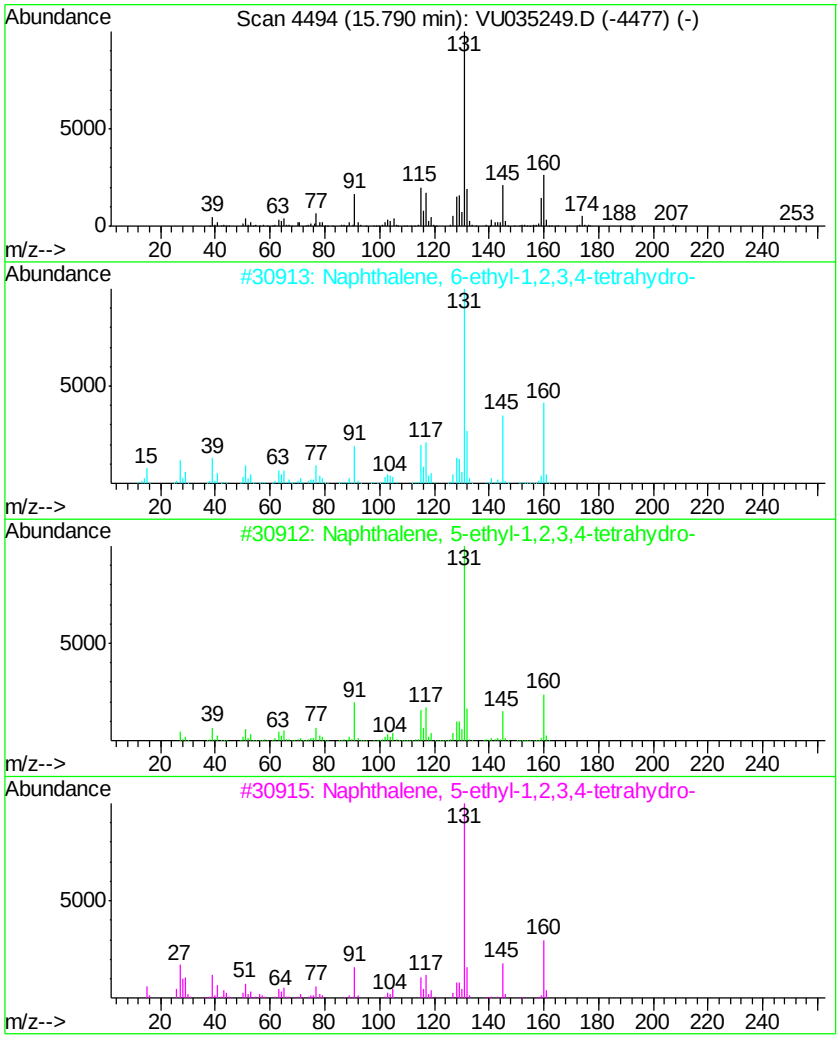
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

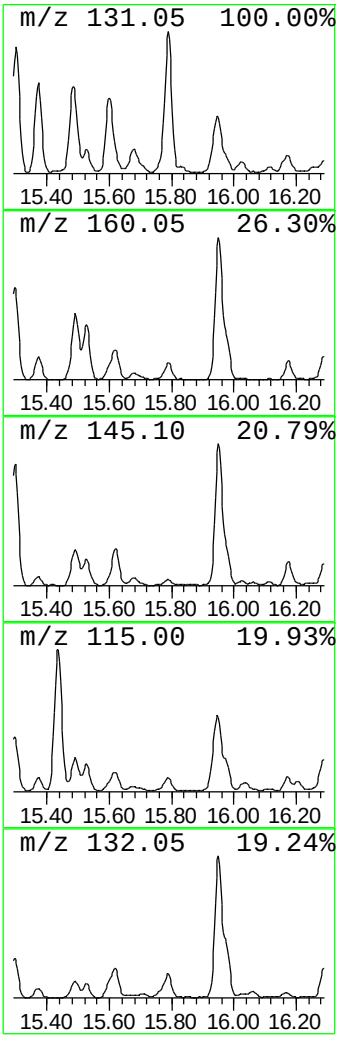
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 47 Naphthalene, 6-ethyl-1,2,3,... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	2.03 ug/L	523014	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 6-ethyl-1,2,3,4-tet...	160	C12H16	022531-20-0	93
2	Naphthalene, 5-ethyl-1,2,3,4-tet...	160	C12H16	042775-75-7	93
3	Naphthalene, 5-ethyl-1,2,3,4-tet...	160	C12H16	042775-75-7	91
4	1H-Indene, 2,3-dihydro-4-propyl-	160	C12H16	092013-16-6	68
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

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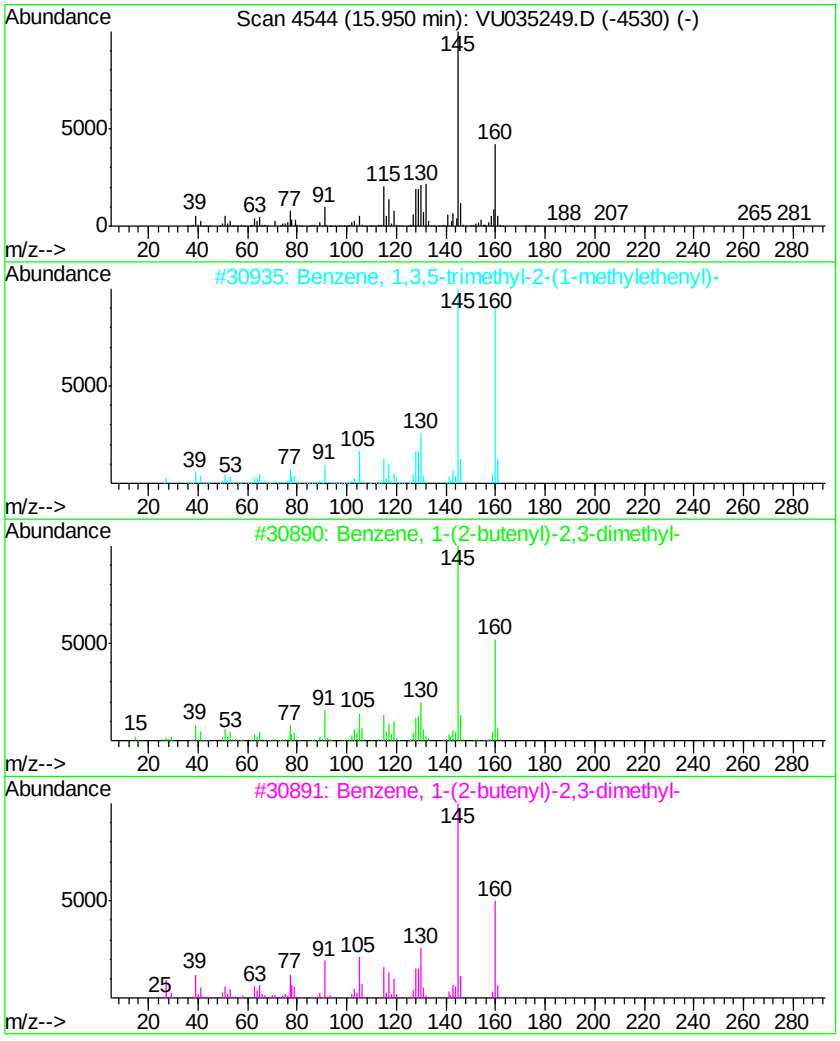
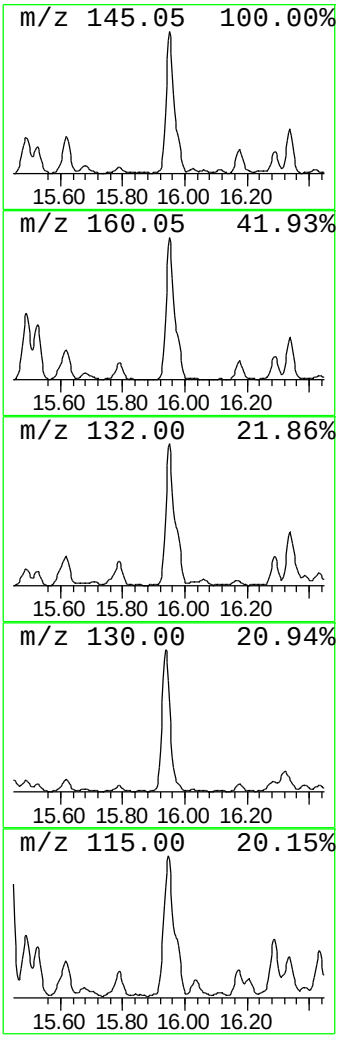
Peak Number 48 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	11.60 ug/L	2990340	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	96
2	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	94
3	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	90
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	89
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101719\
Data File : VU035249.D
Acq On : 18 Oct 2019 07:14
Operator : JC/SP
Sample : K5419-18
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 53 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : H0FZ7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR101719WMA.M
Quant Title : TRACE VOA SOM01.0

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	1.37	14.0	ug/L	2302880	1	6.29	822957	5.0
(DEL) Alkane: Cyc...	1.67	4.2	ug/L	695668	1	6.29	822957	5.0
(DEL) Alkane: Cyc...	1.75	9.3	ug/L	1536080	1	6.29	822957	5.0
(DEL) Alkane: Cyc...	2.18	1.9	ug/L	306025	1	6.29	822957	5.0
(DEL) Alkane: Cyc...	2.24	4.4	ug/L	719402	1	6.29	822957	5.0
Ethane, 1,2-dichl...	2.40	5.1	ug/L	834902	1	6.29	822957	5.0
(DEL) Alkane: Cyc...	2.44	2.1	ug/L	350937	1	6.29	822957	5.0
(DEL) Alkane: Cyc...	4.57	3.3	ug/L	546642	1	6.29	822957	5.0
Benzene, propyl-	10.93	2.7	ug/L	700936	3	11.84	1289340	5.0
Benzene, 1-ethyl-...	11.02	3.0	ug/L	777733	3	11.84	1289340	5.0
Mesitylene	11.11	3.4	ug/L	879976	3	11.84	1289340	5.0
Benzene, 1,2,3-tr...	11.49	3.1	ug/L	796231	3	11.84	1289340	5.0
p-Cymene	11.77	1.1	ug/L	292889	3	11.84	1289340	5.0
Benzene, 1-etheny...	12.12	3.1	ug/L	789548	3	11.84	1289340	5.0
Benzene, 1-methyl...	12.40	1.2	ug/L	319613	3	11.84	1289340	5.0
Benzene, 2-ethyl-...	12.49	2.0	ug/L	505835	3	11.84	1289340	5.0
Benzene, 1-methyl...	12.52	1.4	ug/L	349591	3	11.84	1289340	5.0
o-Cymene	12.60	2.5	ug/L	654371	3	11.84	1289340	5.0
Indan, 1-methyl-	12.71	3.5	ug/L	907760	3	11.84	1289340	5.0
Benzene, 1,2,4,5-...	13.00	1.6	ug/L	416691	3	11.84	1289340	5.0
Benzene, 1-methyl...	13.43	1.3	ug/L	340574	3	11.84	1289340	5.0
Naphthalene, 1,2,...	13.65	3.0	ug/L	783904	3	11.84	1289340	5.0
Benzene, 1-methyl...	13.81	1.6	ug/L	417642	3	11.84	1289340	5.0
Benzene, (1,2-dim...	13.86	2.2	ug/L	568811	3	11.84	1289340	5.0
1H-Indene, 2,3-di...	13.97	2.9	ug/L	753597	3	11.84	1289340	5.0
Naphthalene, 1,2,...	14.21	10.9	ug/L	2814450	3	11.84	1289340	5.0
Naphthalene, 1,2,...	14.31	12.2	ug/L	3133560	3	11.84	1289340	5.0
1H-Indene, 2,3-di...	14.69	5.3	ug/L	1376020	3	11.84	1289340	5.0
1H-Indene, 2,3-di...	14.83	2.7	ug/L	687713	3	11.84	1289340	5.0
Naphthalene, 1,2,...	15.04	17.3	ug/L	4463400	3	11.84	1289340	5.0
Benzene, 1-(1-met...	15.29	7.8	ug/L	2002650	3	11.84	1289340	5.0
unknown-01	15.37	1.6	ug/L	406734	3	11.84	1289340	5.0
Naphthalene, 1-me...	15.44	9.2	ug/L	2368400	3	11.84	1289340	5.0
Naphthalene, 6-et...	15.79	2.0	ug/L	523014	3	11.84	1289340	5.0
Benzene, 1,3,5-tr...	15.95	11.6	ug/L	2990340	3	11.84	1289340	5.0