LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

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\SOMUTR052219WMA.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	1.302	60	66	71	rBV	83502	78189	4.60%	0.327%
2	1.399	89	96	107	rBV2	300650	350647	20.62%	1.467%
3	1.678	176	183	197	rVB	163490	208674	12.27%	0.873%
4	1.756	198	207	217	rVB	441358	570754	33.56%	2.389%
5	2.183	333	340	352	rBV6	12372	19889	1.17%	0.083%
6	2.270	357	367	385	rBV	360027	588170	34.58%	2.462%
7	2.701	489	501	507	rBV3	65480	131585	7.74%	0.551%
8	2.781	519	526	535	rBV2	53312	89204	5.25%	0.373%
9	2.836	535	543	561	rVB2	66080	137496	8.08%	0.575%
10	2.987	579	590	603	rVB2	96084	198461	11.67%	0.831%
11	3.981	884	899	914	rVB7	9777	25794	1.52%	0.108%
12	4.080	914	930	948	rBV3	46694	120995	7.11%	0.506%
13	4.202	948	968	1003	rBV2	198023	703462	41.36%	2.944%
14	4.643	1086	1105	1122	rBV	240973	569016	33.46%	2.381%
15	4.987	1195	1212	1224	rBV4	30017	73053	4.30%	0.306%
16	5.071	1224	1238	1253	rVB5	31536	78541	4.62%	0.329%
17	5.222	1267	1285	1288	rBV7	12901	31242	1.84%	0.131%
18	5.334	1300	1320	1327	rBV3	513089	1346165	79.16%	5.634%
19	5.382	1327	1335	1353	rVV2	751296	1614756	94.95%	6.758%
20	5.472	1353	1363	1371	rVV4	39943	97924	5.76%	0.410%
21	5.537	1373	1383	1395	rVV7	45145	124935	7.35%	0.523%
22	5.611	1398	1406	1429	rVB6	27400	64989	3.82%	0.272%
23	5.881	1472	1490	1533	rBV2	465445	983377	57.82%	4.115%
24	6.218	1583	1595	1605	rVB2	8374	17773	1.05%	0.074%
25	6.328	1615	1629	1643	rBV	302844	630666	37.08%	2.639%
26	6.730	1743	1754	1768	rVB7	11939	28649	1.68%	0.120%
27	6.916	1795	1812	1828	rVB6	29181	76911	4.52%	0.322%
28	7.045	1838	1852	1865	rBV5	44768	115334	6.78%	0.483%
29	7.225	1895	1908	1925	rBV	155527	311535	18.32%	1.304%
30	7.562	1990	2013	2030	rBV	675332	1275875	75.02%	5.340%
31	7.704	2047	2057	2061	rBV9	10788	18378	1.08%	0.077%
32	7.849	2091	2102	2114	rBV	95703	178126	10.47%	0.745%
33	7.910	2115	2121	2146	rVB4	26918	62561	3.68%	0.262%
34	8.038	2150	2161	2170	rBV4	20295	34704	2.04%	0.145%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

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\SOMUTR052219WMA.M
Title : TRACE VOA SOM01.0

35	8.090	2170	2177	2185	rVB3	12659	17512	1.03%	0.073%
36	8.312	2235	2246	2278	rBV	727183	1409285	82.87%	5.898%
37	8.755	2371	2384	2395	rBV	10190	20111	1.18%	0.084%
38	9.032	2455	2470	2475	rBV	9102	20896	1.23%	0.087%
39	9.086	2475	2487	2508	rVV	667555	1125348	66.17%	4.710%
40	9.180	2509	2516	2527	rVV4	18431	39871	2.34%	0.167%
41	9.247	2527	2537	2554	rVB	163102	275587	16.20%	1.153%
42	9.382	2563	2579	2592	rVB9	13998	37787	2.22%	0.158%
43	10.164	2811	2822	2837	rBV	154453	253381	14.90%	1.060%
44	10.427	2893	2904	2918	rBV	250894	409333	24.07%	1.713%
45	10.585	2942	2953	2970	rBV	238317	381384	22.43%	1.596%
46	10.967	3062	3072	3092	rVB2	76136	130265	7.66%	0.545%
47	11.096	3100	3112	3117	rBV4	12379	19868	1.17%	0.083%
48	11.144	3117	3127	3144	rVV	491342	747096	43.93%	3.127%
49	11.289	3161	3172	3175	rBV2	27716	38351	2.26%	0.161%
50	11.321	3176	3182	3193	rVB	45695	71998	4.23%	0.301%
51	11.479	3220	3231	3250	rBV	674119	1107792	65.14%	4.636%
52	11.565	3250	3258	3271	rVB	58796	94146	5.54%	0.394%
53	11.681	3286	3294	3305	rVB2	13227	20833	1.22%	0.087%
54	11.762	3306	3319	3337	rBV	989913	1700668	100.00%	7.117%
55	11.855	3337	3348	3372	rVB3	750461	1272137	74.80%	5.324%
56	11.977	3377	3386	3396	rVV2	38662	64032	3.77%	0.268%
57	12.051	3400	3409	3421	rVB	60728	93092	5.47%	0.390%
58	12.141	3426	3437	3444	rBV2	97219	160539	9.44%	0.672%
59	12.247	3459	3470	3476	rBV	127122	200961	11.82%	0.841%
60	12.282	3476	3481	3491	rVV	91547	134506	7.91%	0.563%
61	12.350	3491	3502	3524	rVV	211507	384296	22.60%	1.608%
62	12.536	3552	3560	3561	rBV2	21249	19199	1.13%	0.080%
63	12.646	3577	3594	3602	rBV	152256	254183	14.95%	1.064%
64	12.700	3602	3611	3624	rVV	131712	214477	12.61%	0.898%
65	12.784	3627	3637	3651	rVB3	33703	56087	3.30%	0.235%
66	12.919	3659	3679	3684	rBV5	29963	61533	3.62%	0.258%
67	12.961	3684	3692	3708	rVB	110215	184639	10.86%	0.773%
68	13.118	3720	3741	3756	rBV2	325408	599038	35.22%	2.507%
69	13.237	3771	3778	3785	rBV2	14295	23761	1.40%	0.099%
70	13.286	3785	3793	3811	rVB5	36500	73069	4.30%	0.306%
71	13.405	3819	3830	3837	rBV3	35891	63793	3.75%	0.267%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
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Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

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\SOMUTR052219WMA.M
Title : TRACE VOA SOM01.0

72	13.453	3837	3845	3853	rBV3	39653	60601	3.56%	0.254%
73	13.504	3853	3861	3870	rBV4	69311	119671	7.04%	0.501%
74	13.575	3877	3883	3886	rBV3	23898	32866	1.93%	0.138%
75	13.604	3887	3892	3916	rVB3	78454	149717	8.80%	0.627%
76	13.742	3921	3935	3944	rBV	80141	151372	8.90%	0.633%
77	13.855	3961	3970	3982	rVB6	17380	31906	1.88%	0.134%
78	13.954	3989	4001	4010	rBV6	35082	72431	4.26%	0.303%
79	14.009	4011	4018	4028	rVB4	20948	35503	2.09%	0.149%
80	14.147	4052	4061	4076	rBV2	51140	90159	5.30%	0.377%
81	14.331	4108	4118	4133	rBV2	38311	71629	4.21%	0.300%
82	14.472	4155	4162	4174	rBV3	20757	34314	2.02%	0.144%
83	14.536	4175	4182	4195	rVB6	30458	55477	3.26%	0.232%
84	14.678	4216	4226	4238	rBV8	20083	45790	2.69%	0.192%
85	14.861	4276	4283	4294	rBV8	9012	17262	1.02%	0.072%
86	14.932	4299	4305	4319	rVB10	11697	25610	1.51%	0.107%
87	15.064	4337	4346	4360	rBV2	47421	101079	5.94%	0.423%
88	16.064	4647	4657	4665	rBV4	21031	40565	2.39%	0.170%
89	16.437	4764	4773	4782	rBV8	11101	19994	1.18%	0.084%

Sum of corrected areas: 23894630

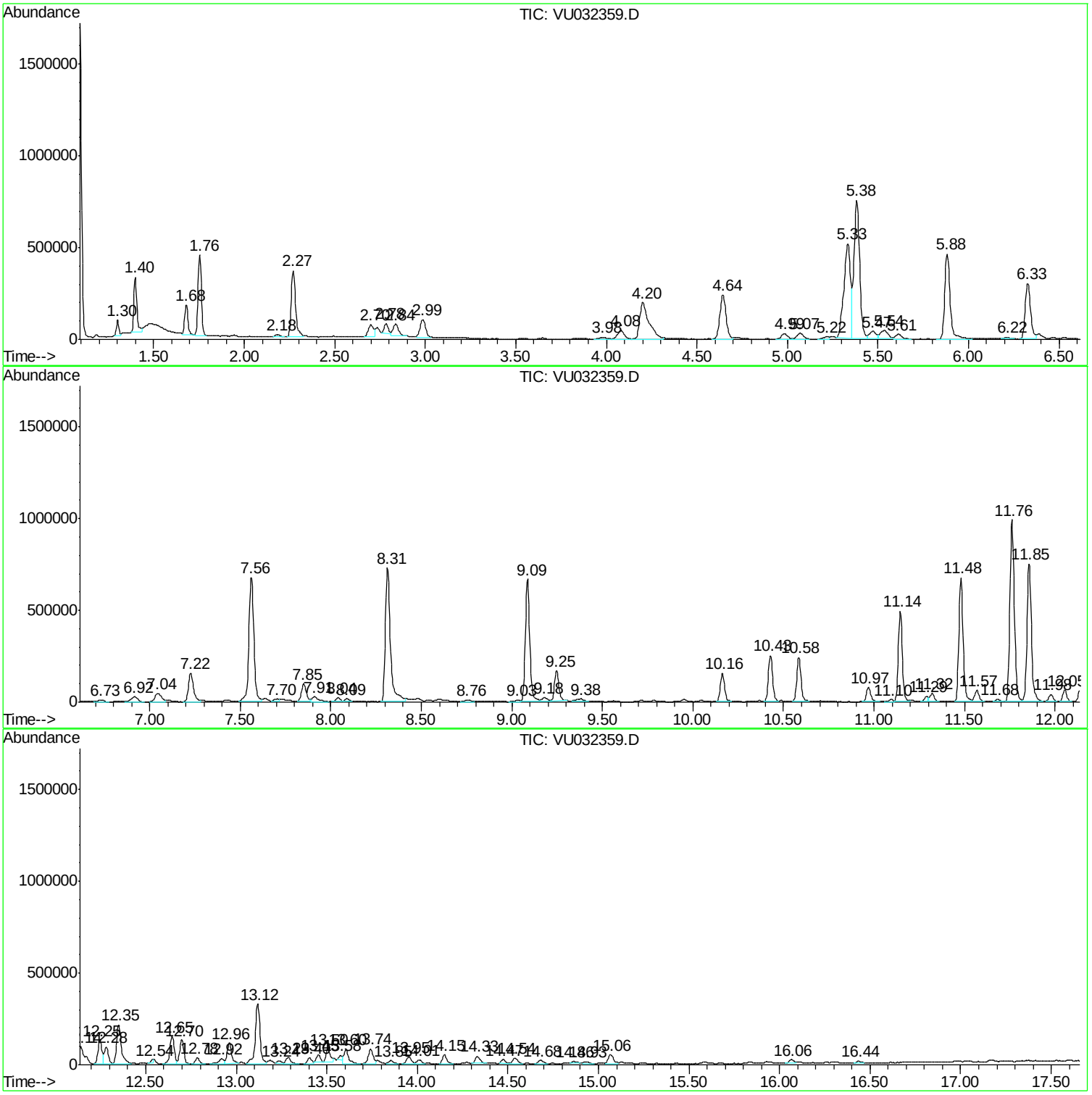
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.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\VU052919\
Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

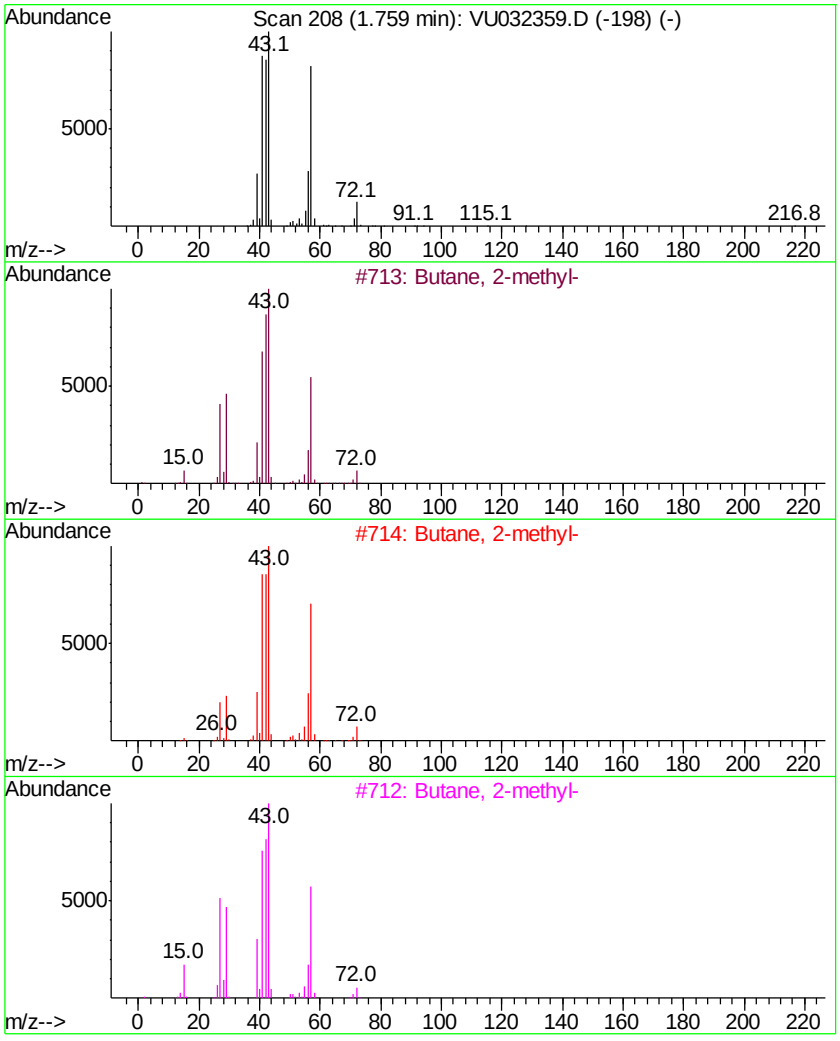
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

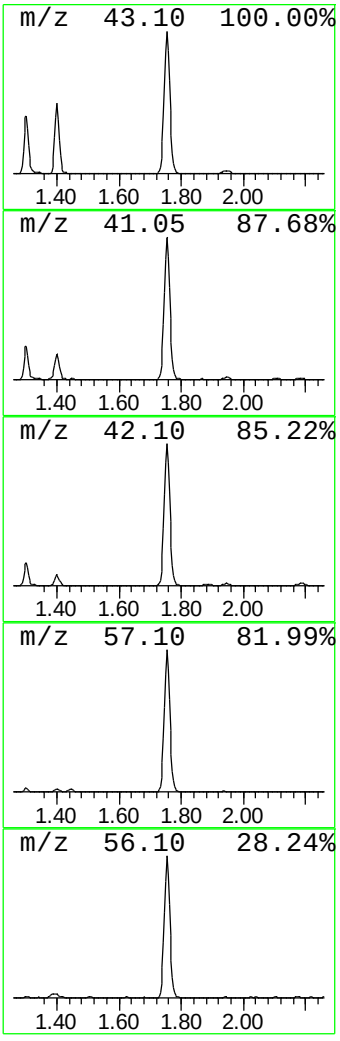
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.76	2.90 ug/L	570754	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	86
4	Pentane	72	C5H12	000109-66-0	43
5	Pentane	72	C5H12	000109-66-0	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

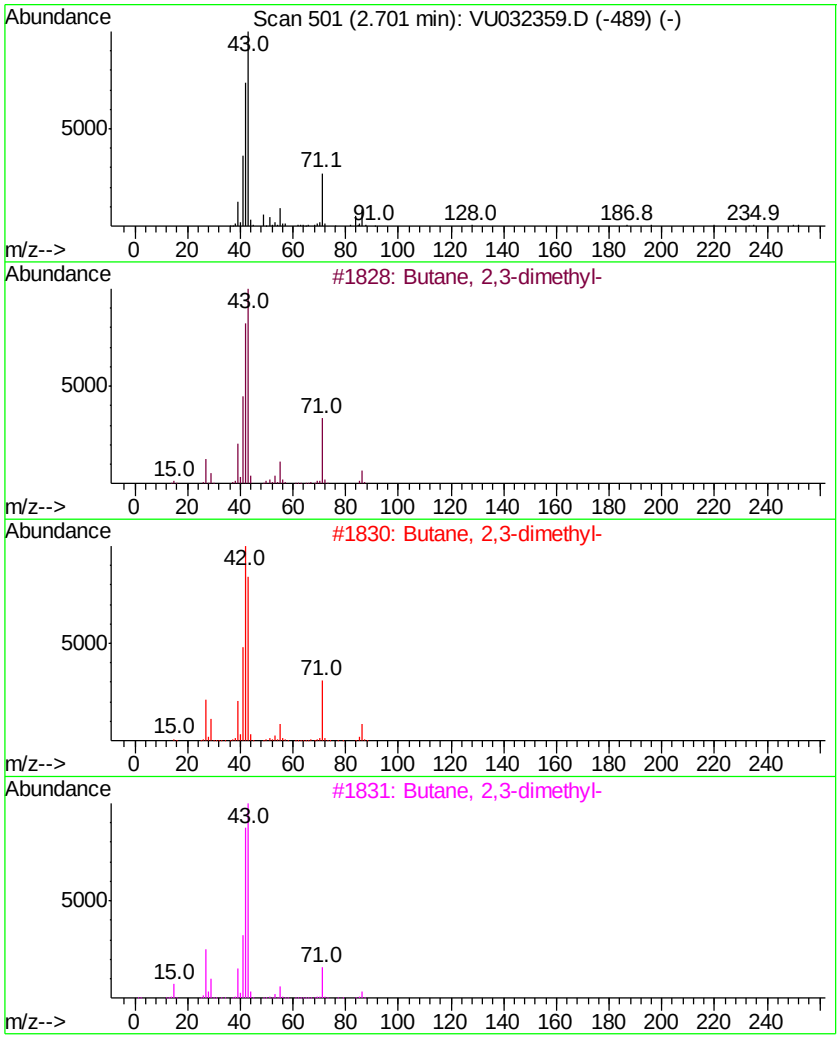
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

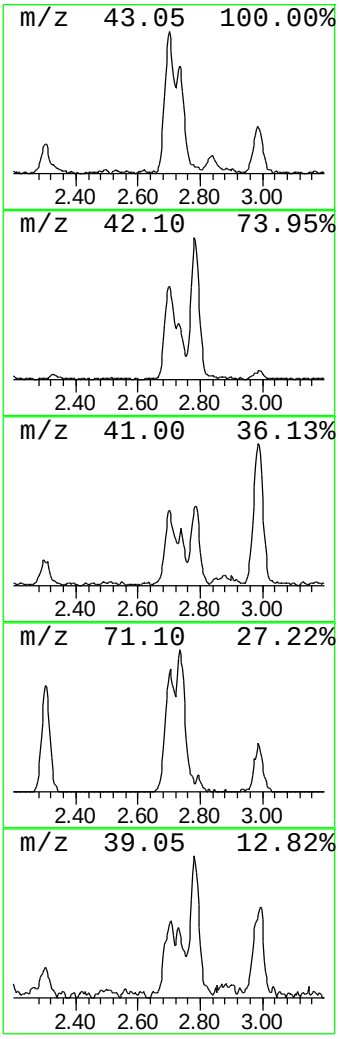
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.70	0.67 ug/L	131585	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	83
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	74
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	56
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

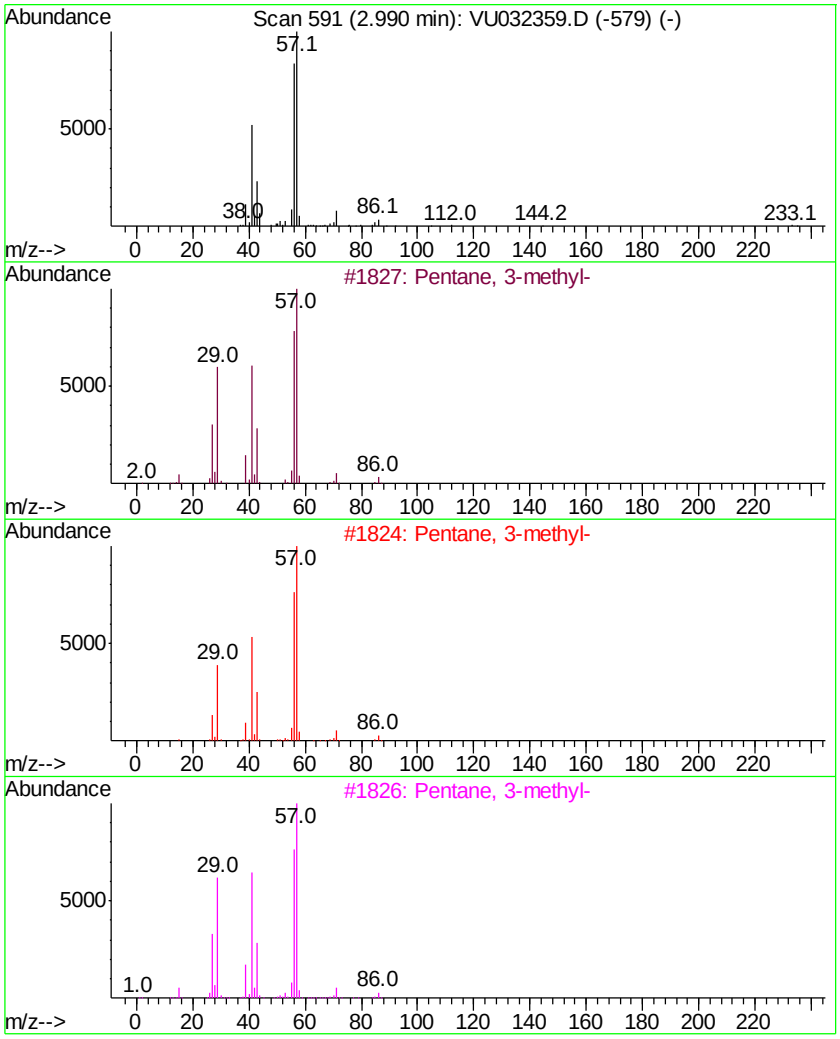
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

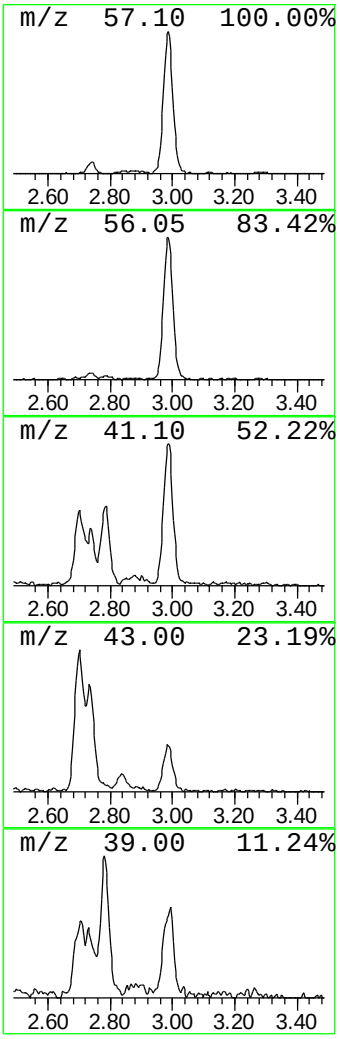
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	1.01 ug/L	198461	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
5	Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

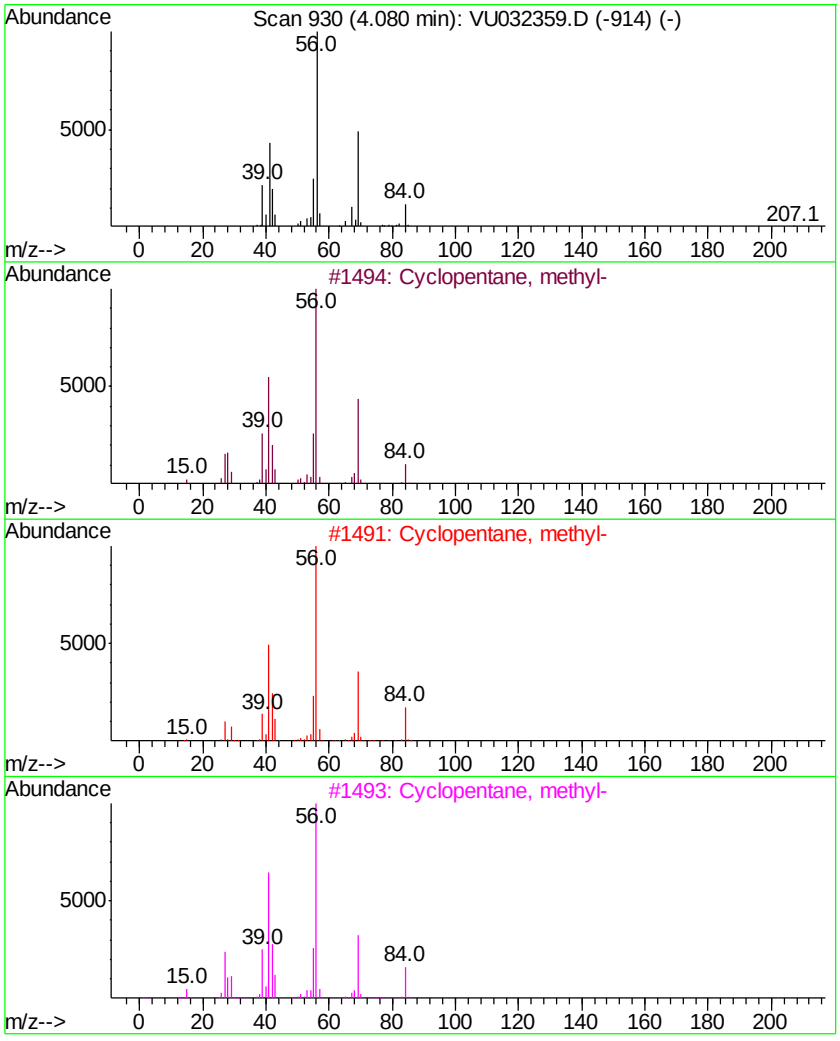
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

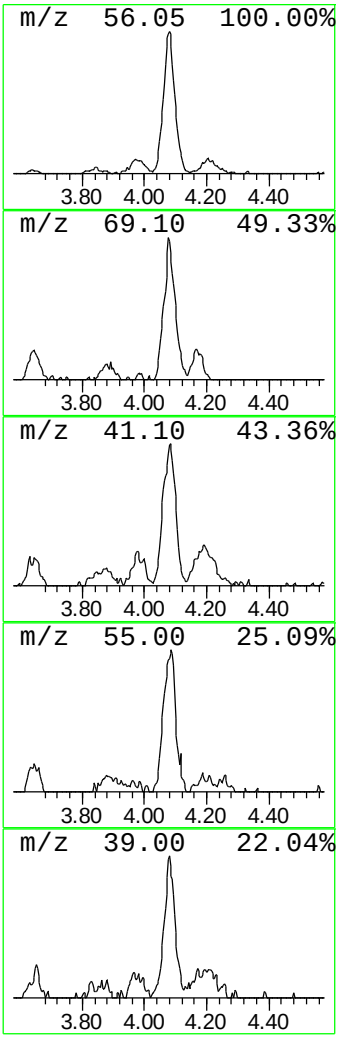
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	0.62 ug/L	120995	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	87
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
4	Cyclohexane	84	C6H12	000110-82-7	78
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

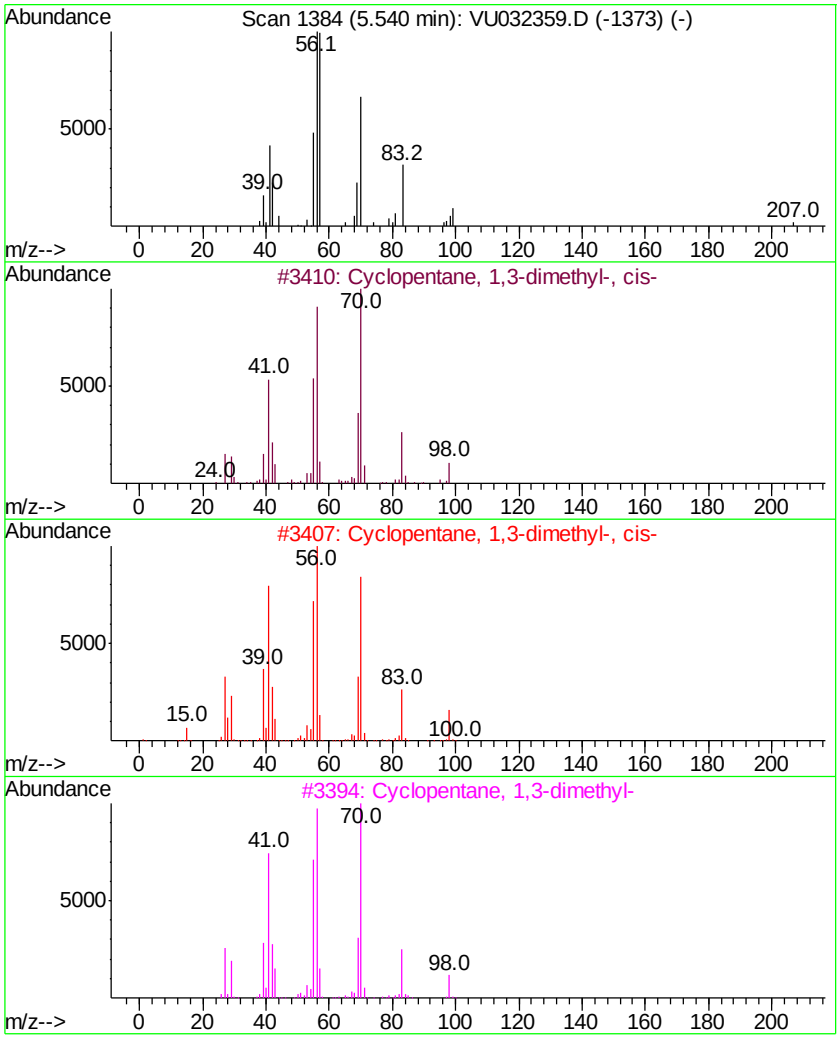
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

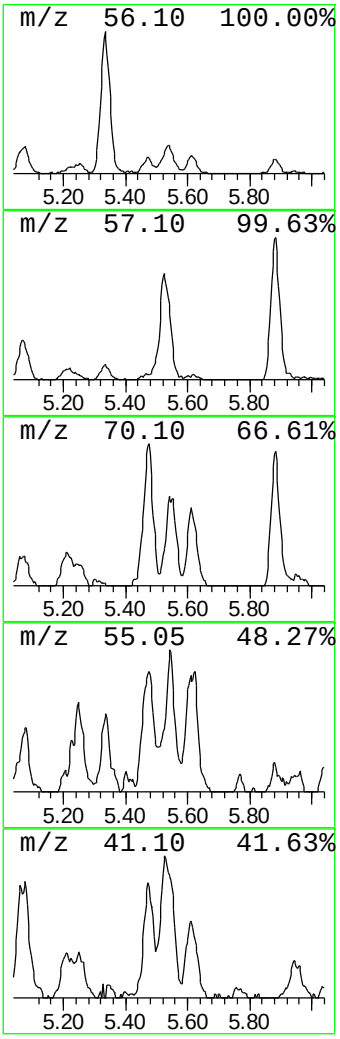
****

Peak Number 6 (DEL) Alkane: Cyclic5.54 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	0.64 ug/L	124935	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	47
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	47
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	47
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	47
5	1-Butanol, 2-methyl-	88	C5H12O	000137-32-6	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

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

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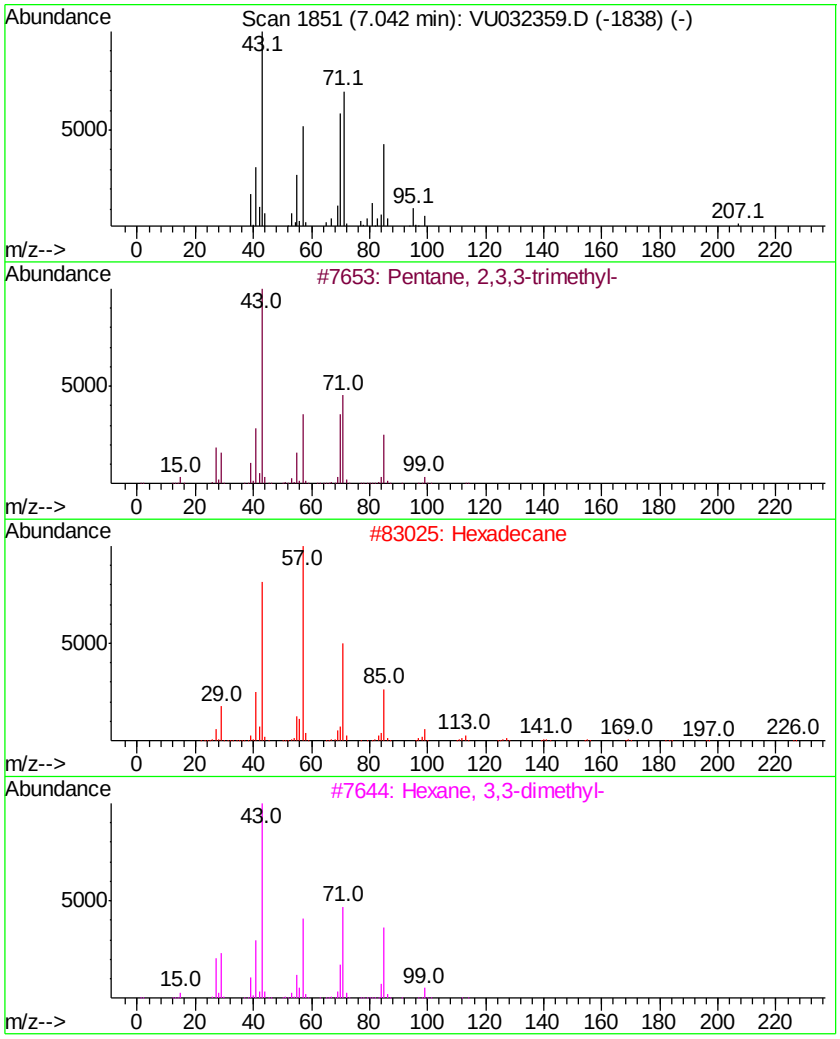
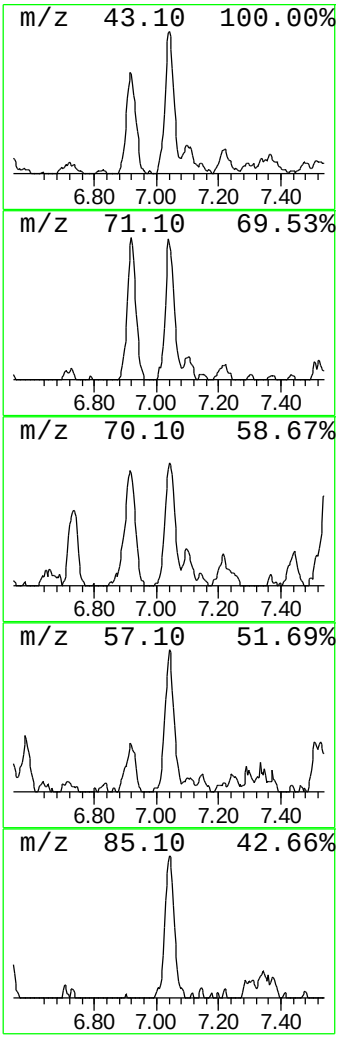
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	0.59 ug/L	115334	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
2	Hexadecane	226	C16H34	000544-76-3	53
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	50
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

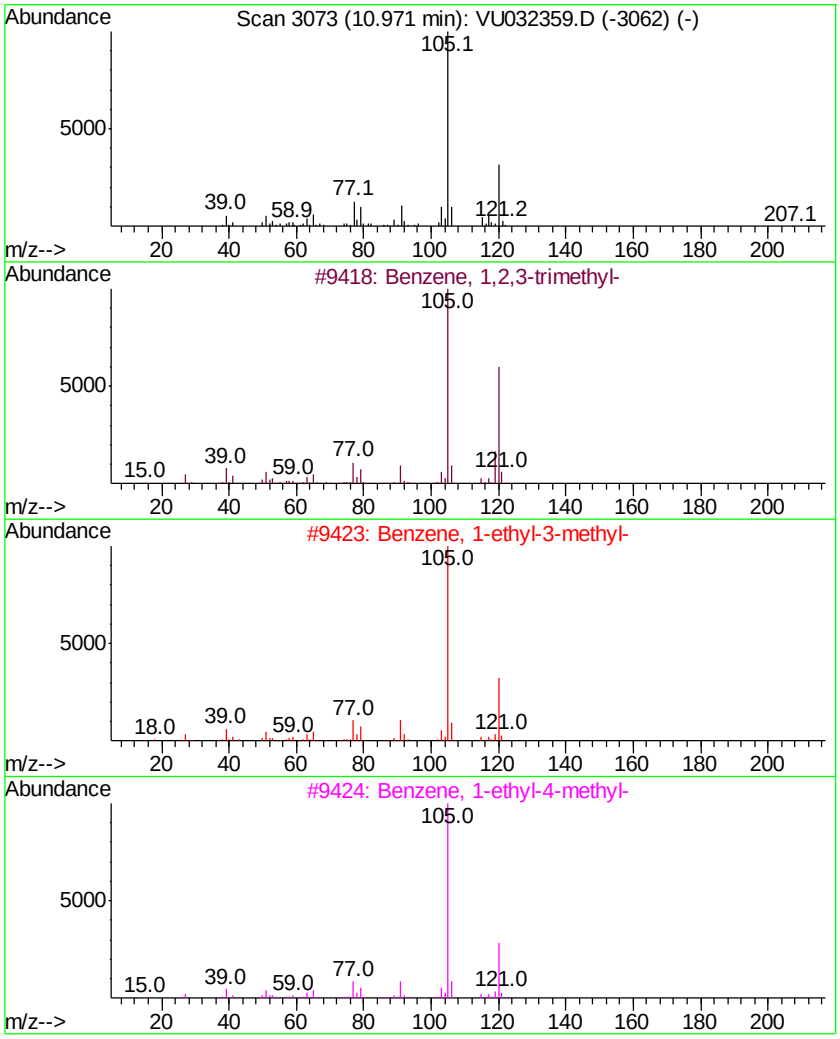
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

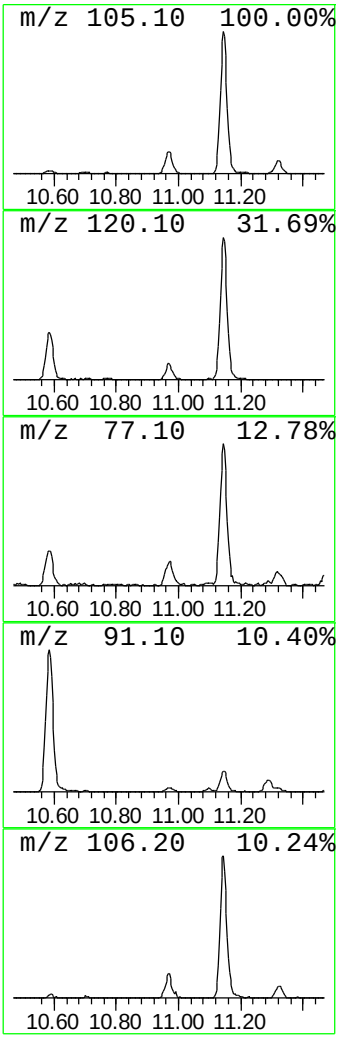
****

Peak Number 10 Benzene, 1,2,3-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	0.59 ug/L	130265	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

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Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

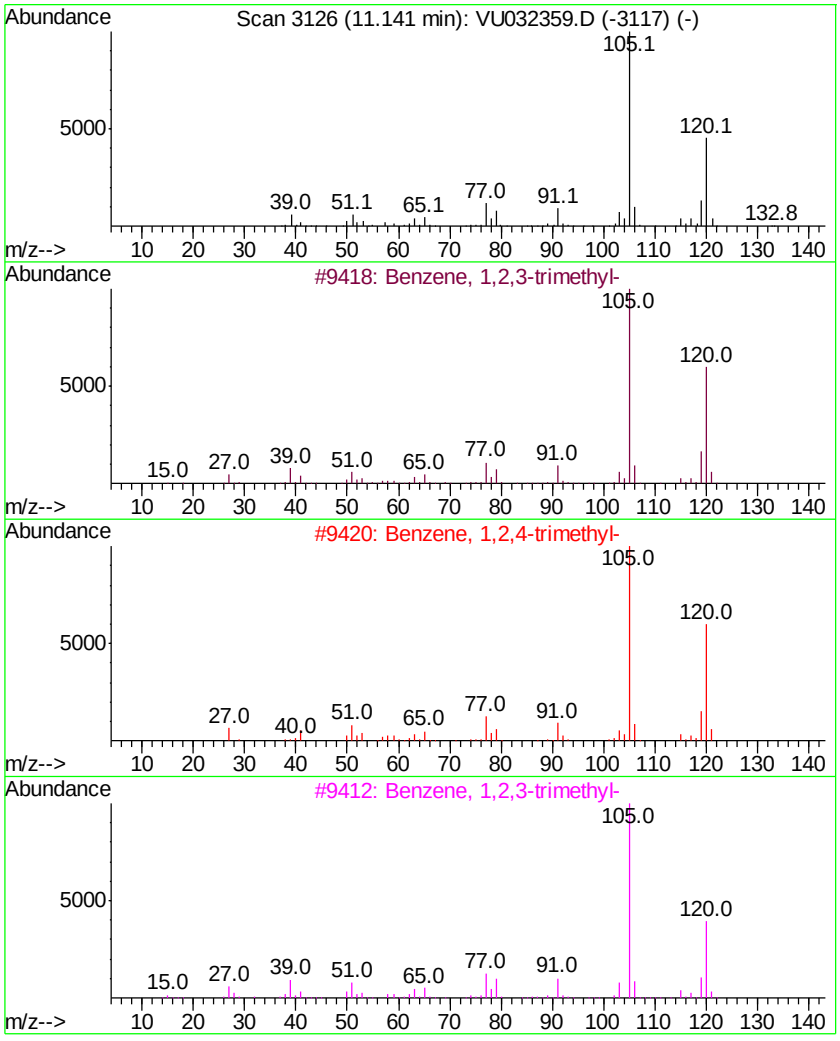
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

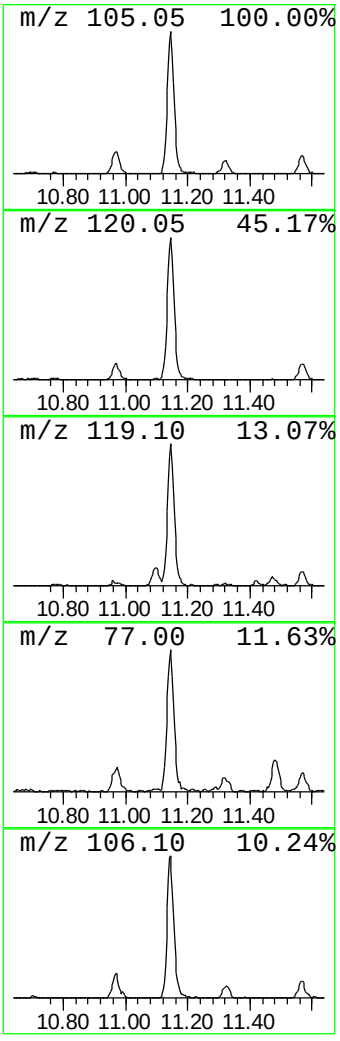
****

Peak Number 11 Benzene, 1,2,4-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	3.37 ug/L	747096	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
4	Mesitylene	120	C9H12	000108-67-8	93
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91





Library Search Compound Report

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Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

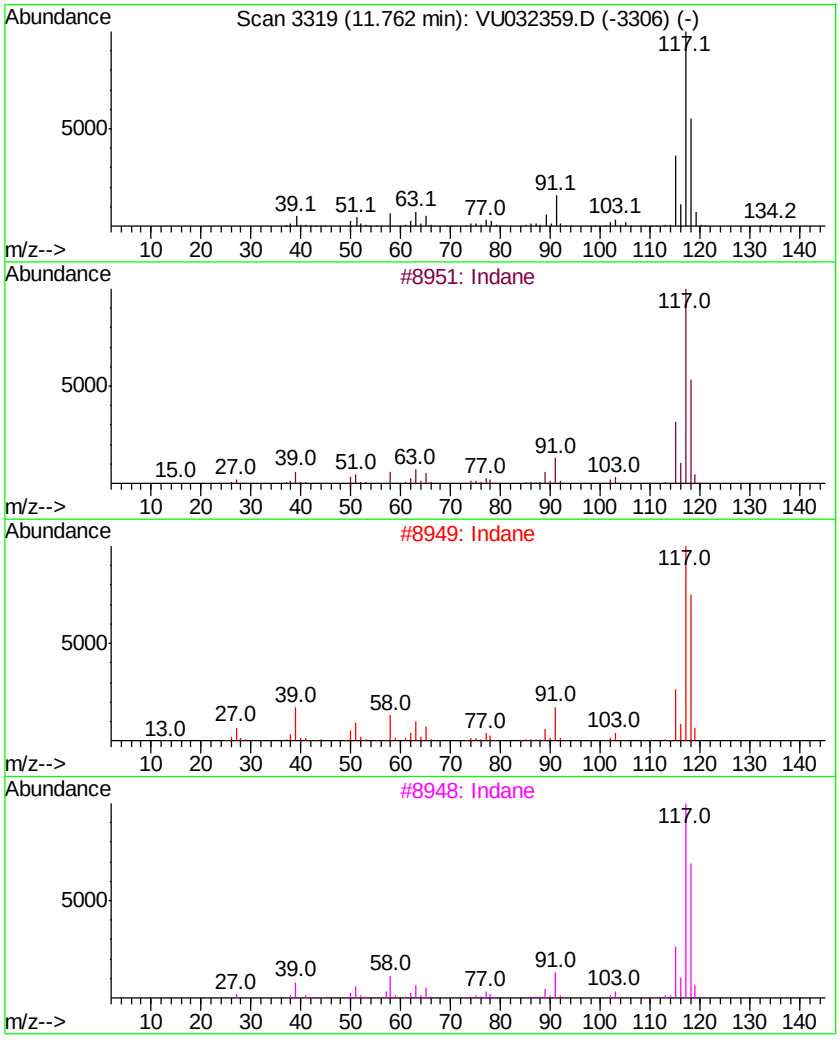
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

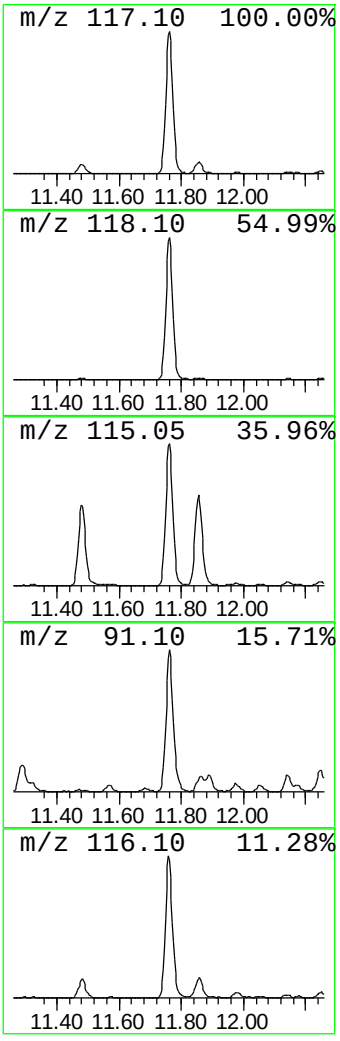
****

Peak Number 12 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	7.68 ug/L	1700670	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Indane	118	C9H10	000496-11-7	91
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	83
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	74





Library Search Compound Report

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Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

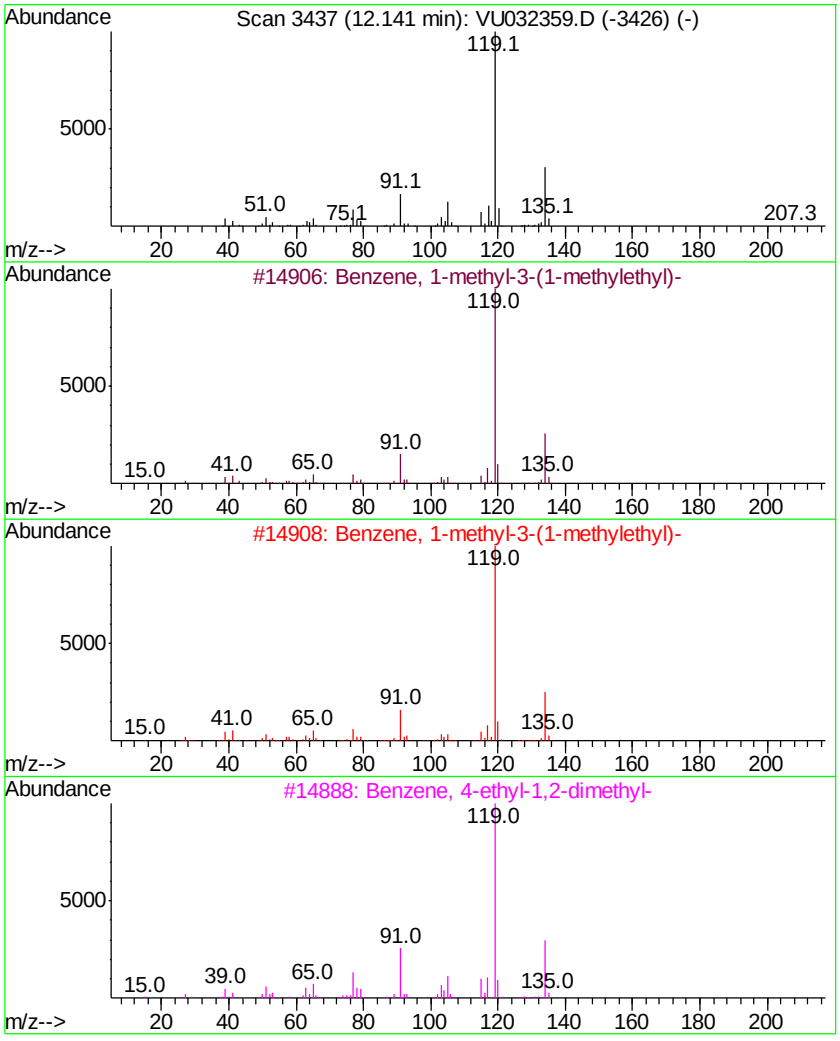
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

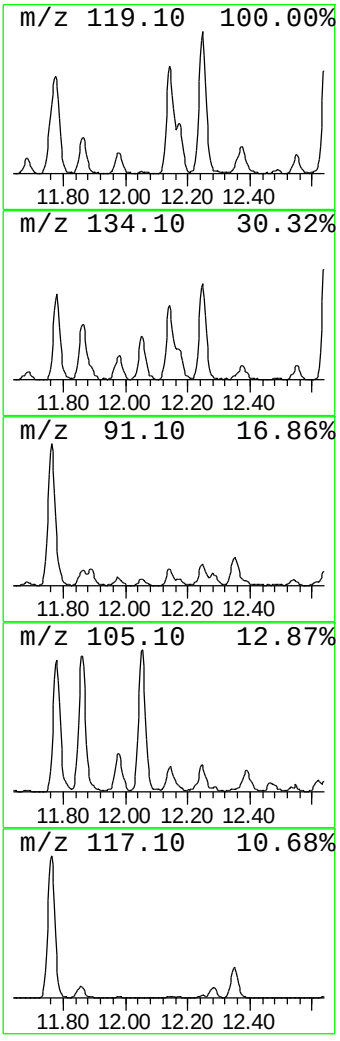
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Benzene, 1-methyl-3-(1-meth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	0.72 ug/L	160539	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





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Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

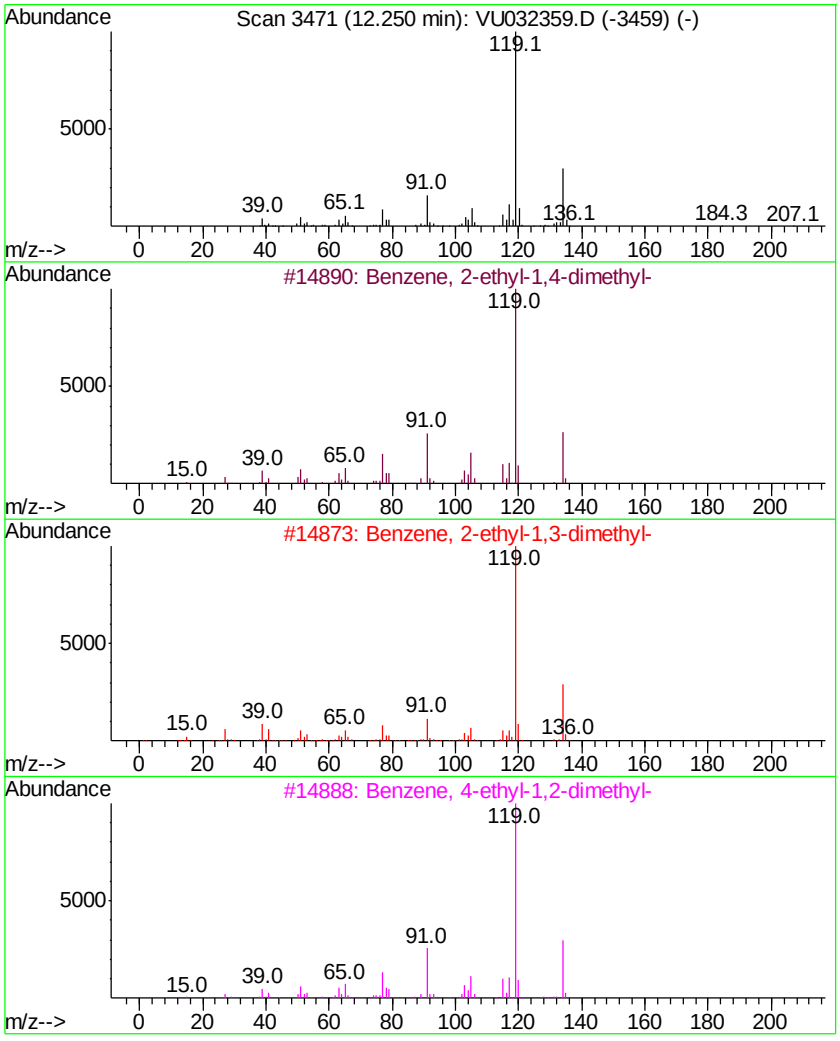
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

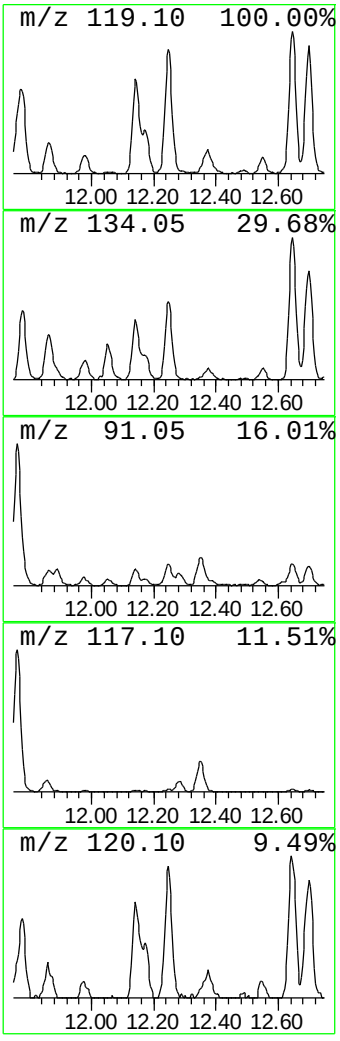
****

Peak Number 14 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	0.91 ug/L	200961	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

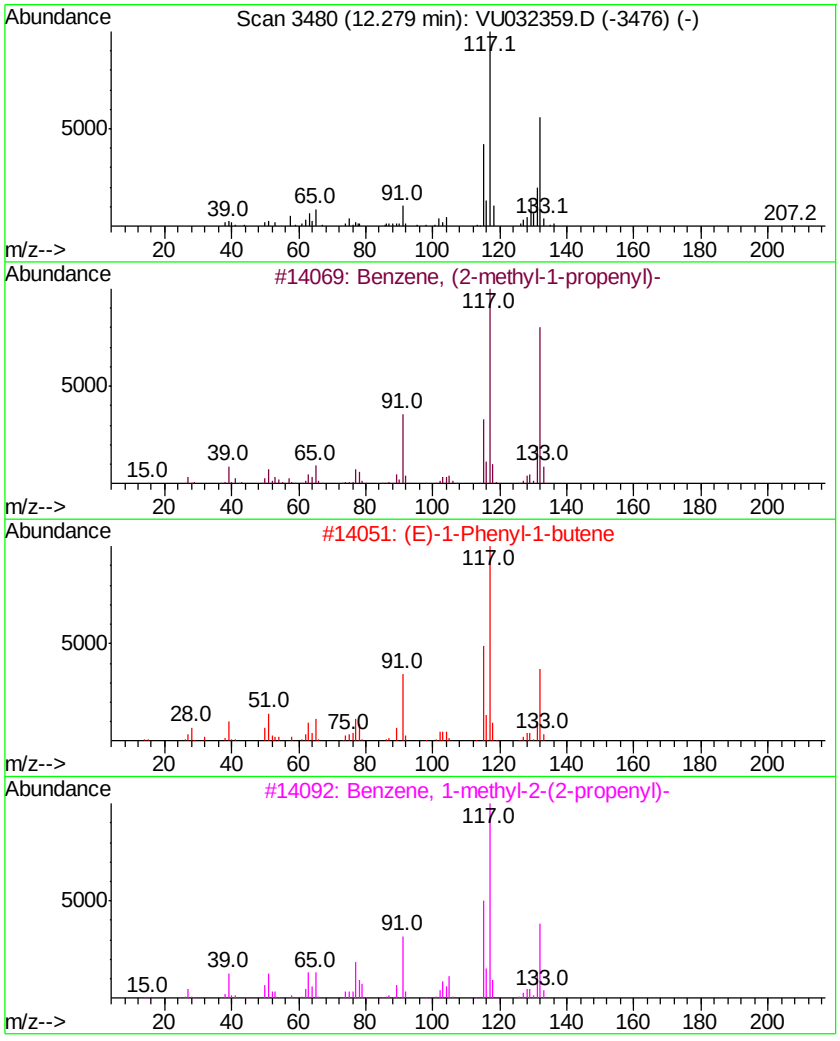
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

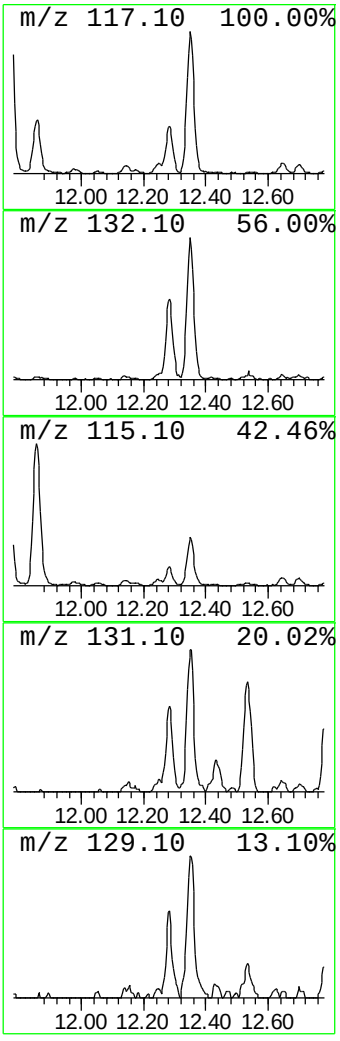
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzene, (2-methyl-1-propen... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	0.61 ug/L	134506	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	91
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	90
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
4	Benzene, (1-methyl-1-propenyl)-, ...	132	C10H12	000767-99-7	87
5	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	87





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Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

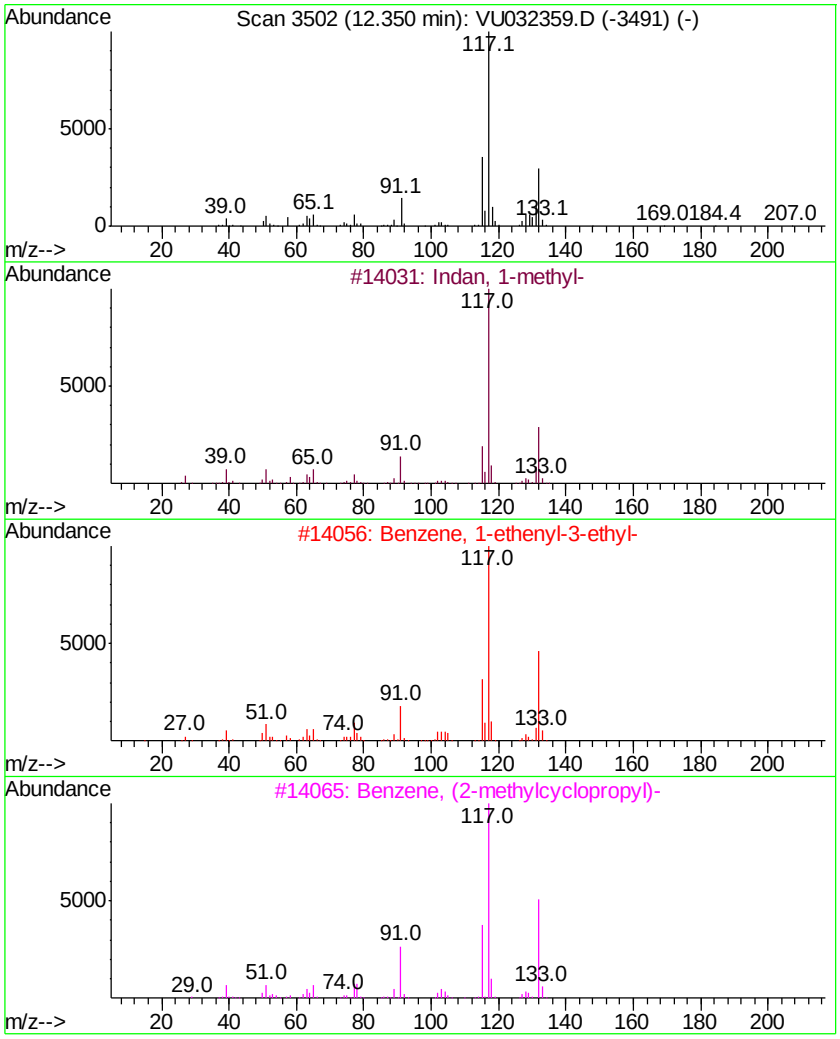
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

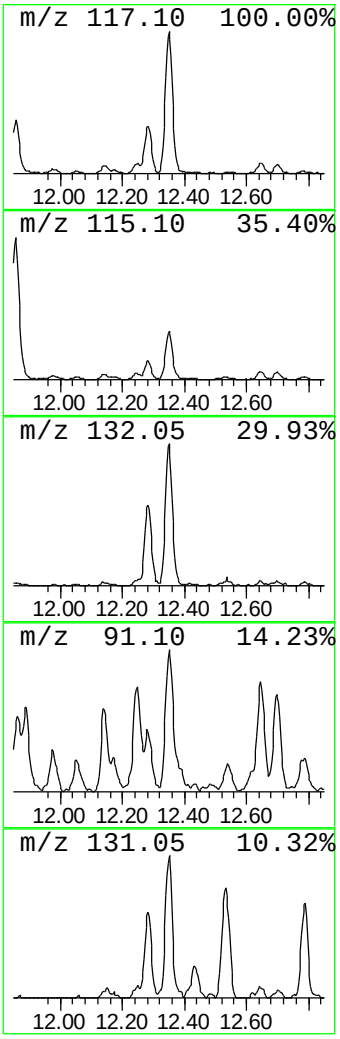
****

Peak Number 16 Indan, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	1.73 ug/L	384296	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	81
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	80





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Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

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

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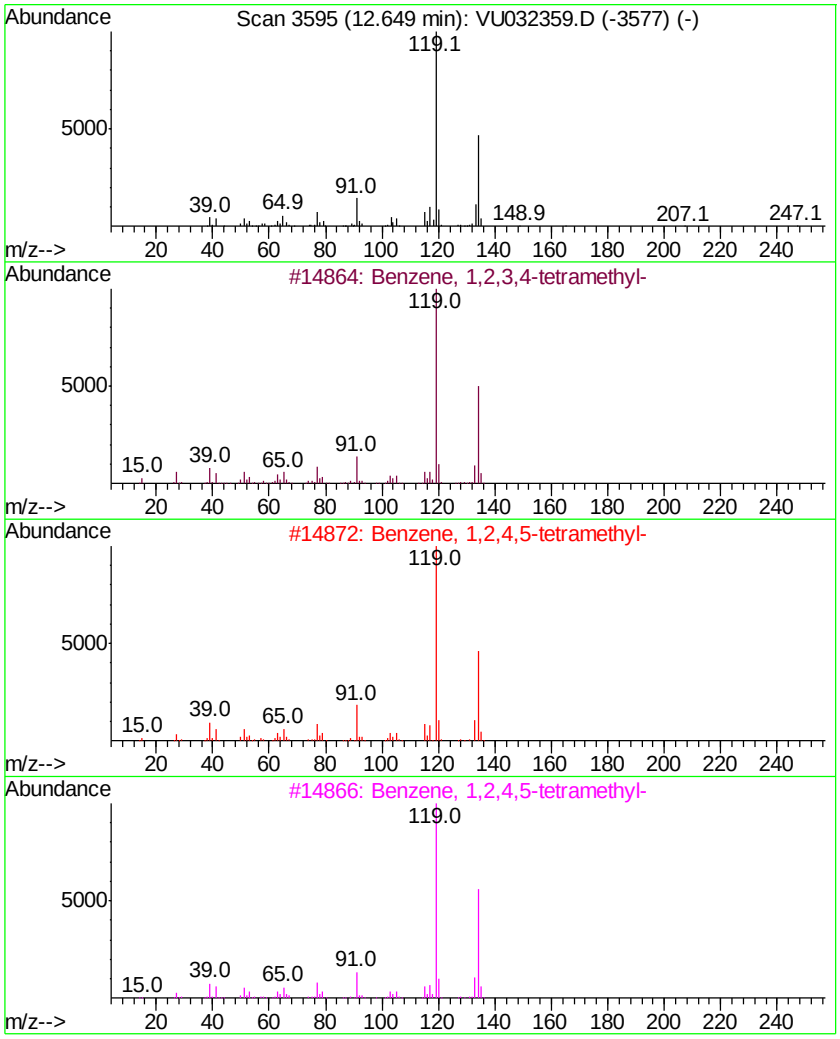
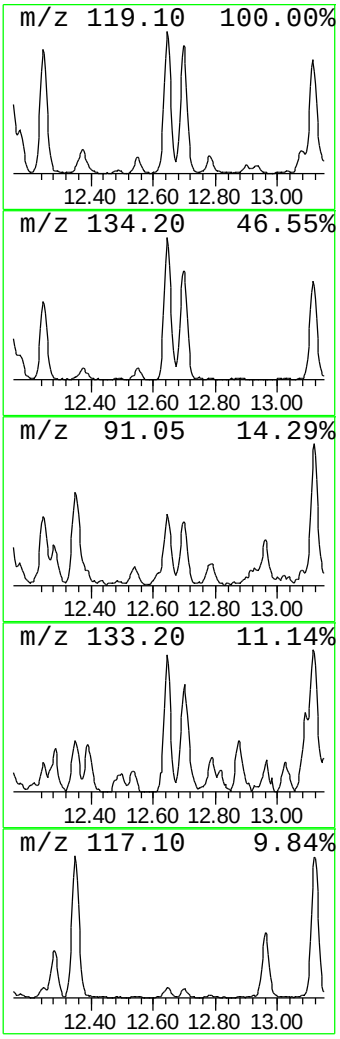
Peak Number 17 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	1.15 ug/L	254183	1,4-Dichlorobenzene-d4	11.48

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





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Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

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

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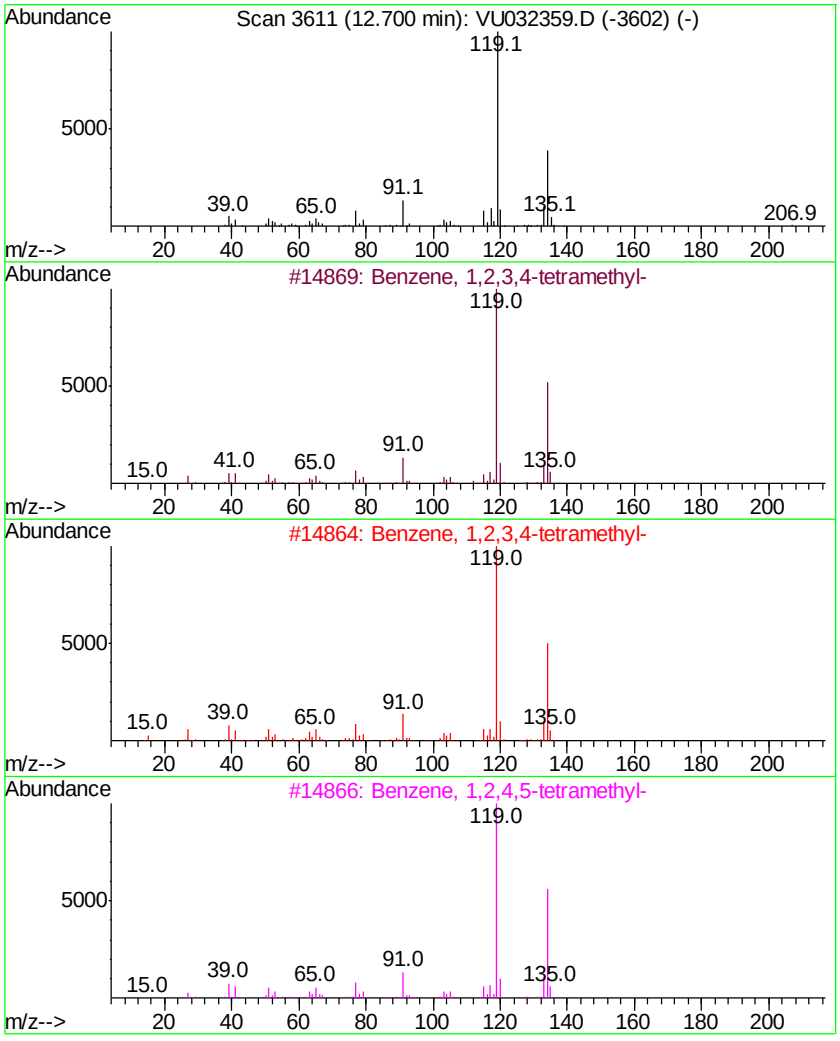
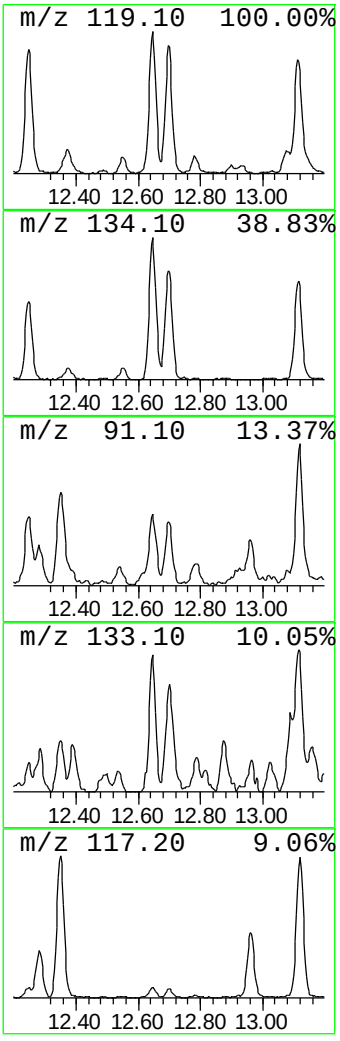
Peak Number 18 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	0.97 ug/L	214477	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94





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Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

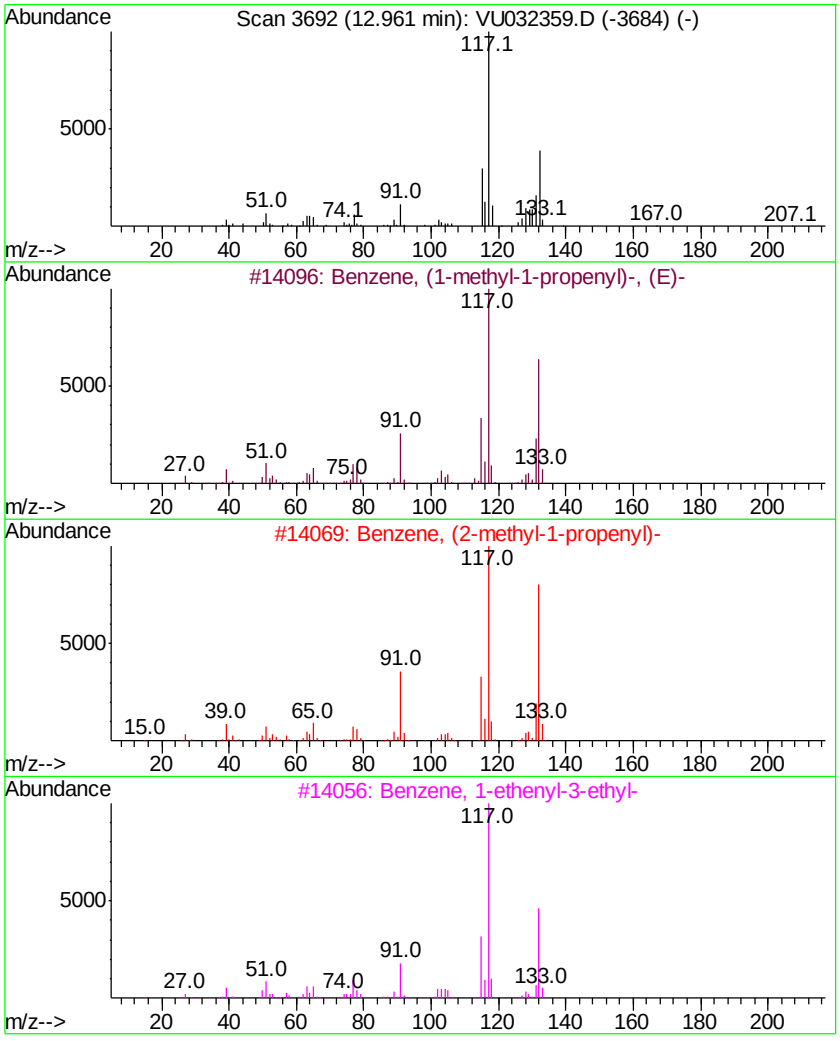
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

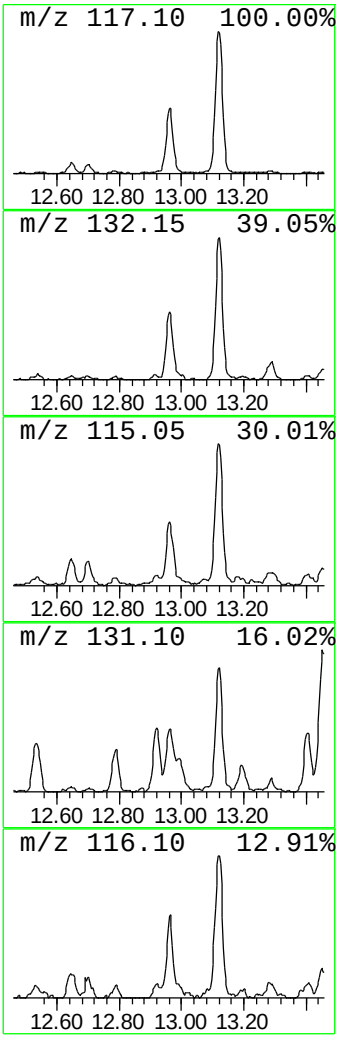
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, (1-methyl-1-propen... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	0.83 ug/L	184639	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	83
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

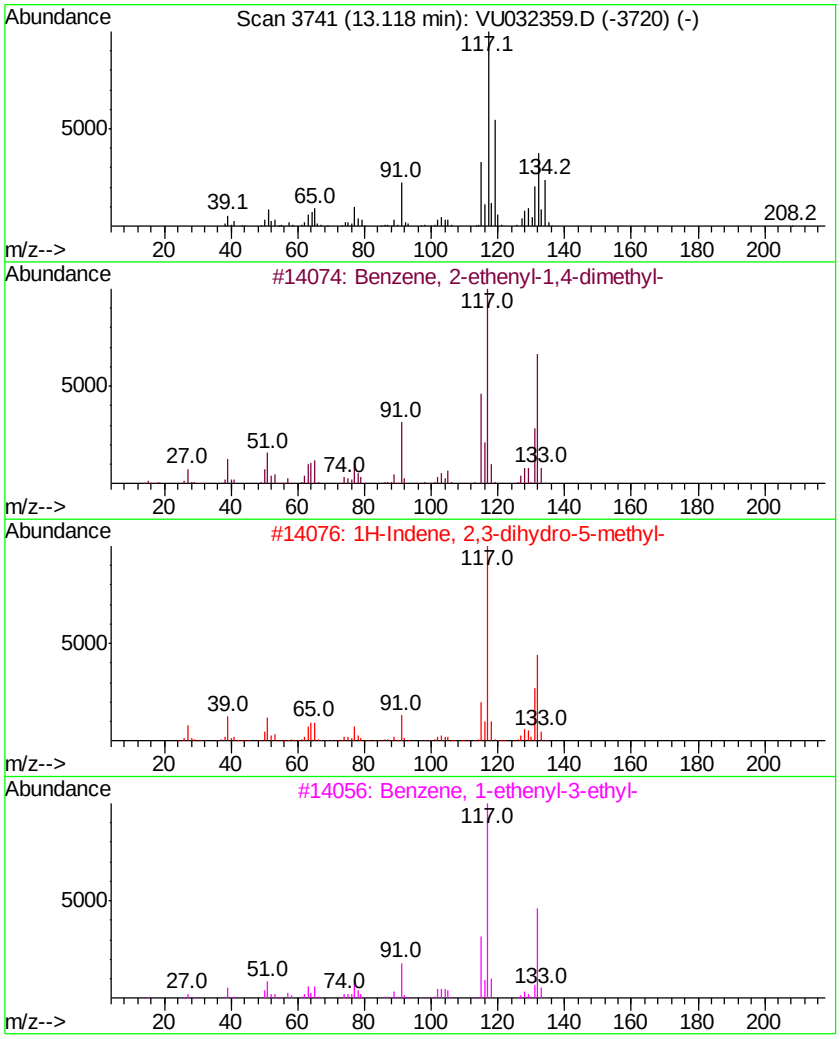
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

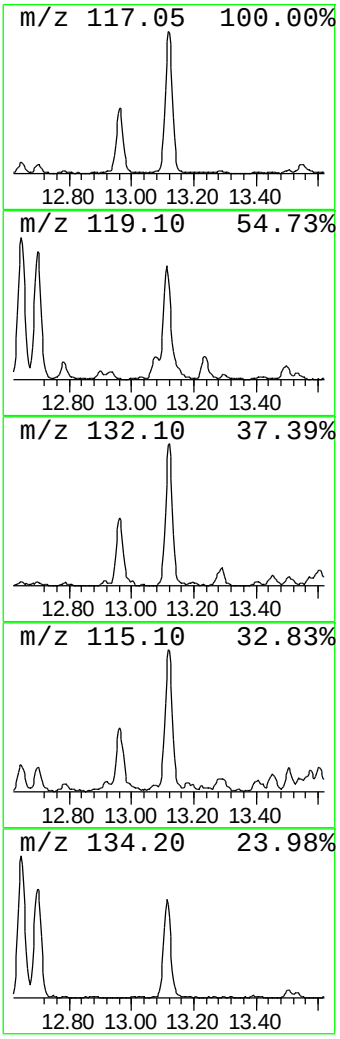
****

Peak Number 20 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.70 ug/L	599038	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	64
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	60
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

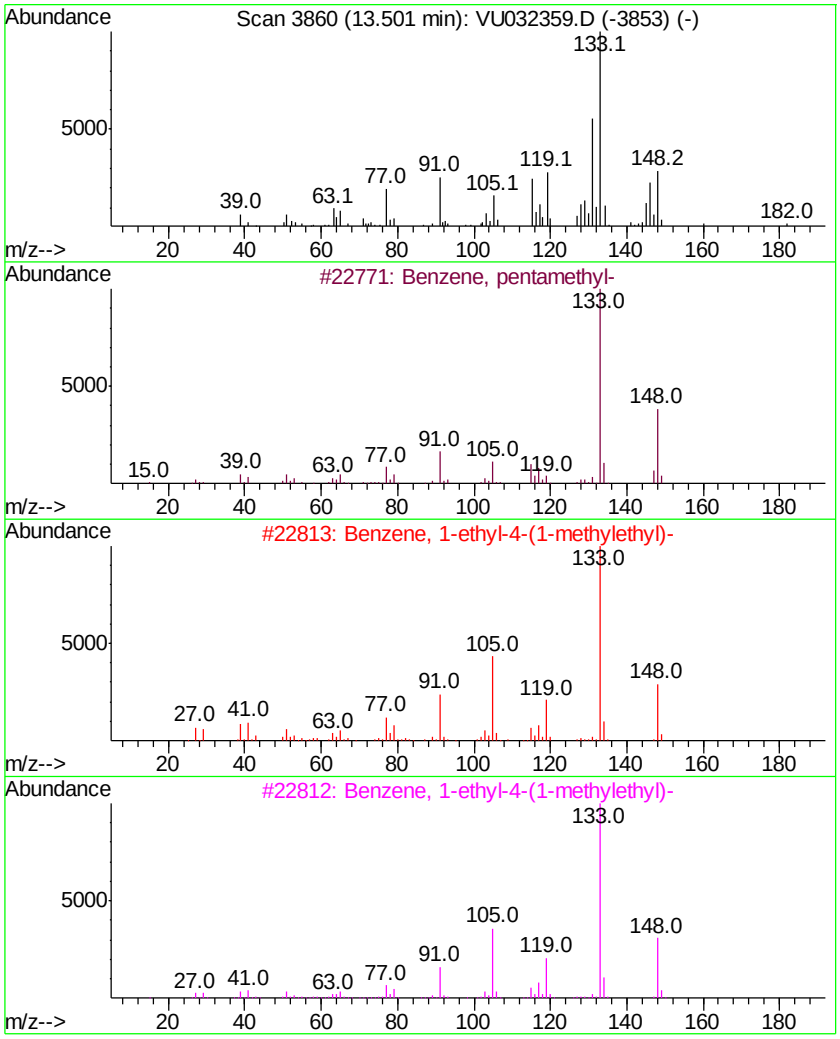
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

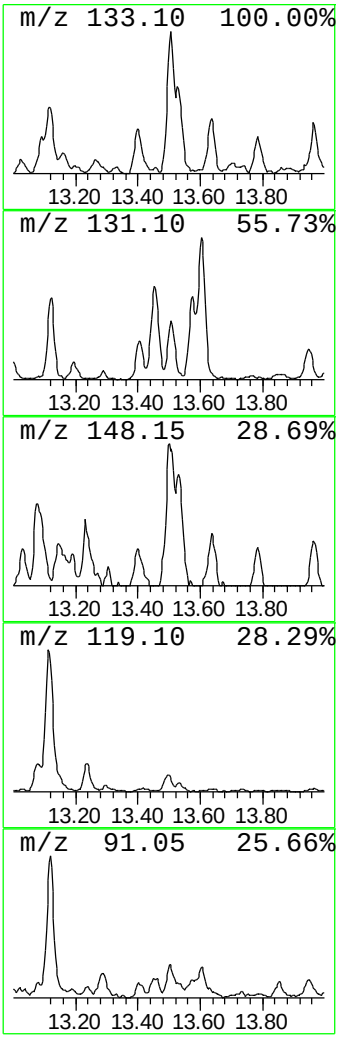
****

Peak Number 21 Benzene, pentamethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	0.54 ug/L	119671	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	50
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	46
4	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	46
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

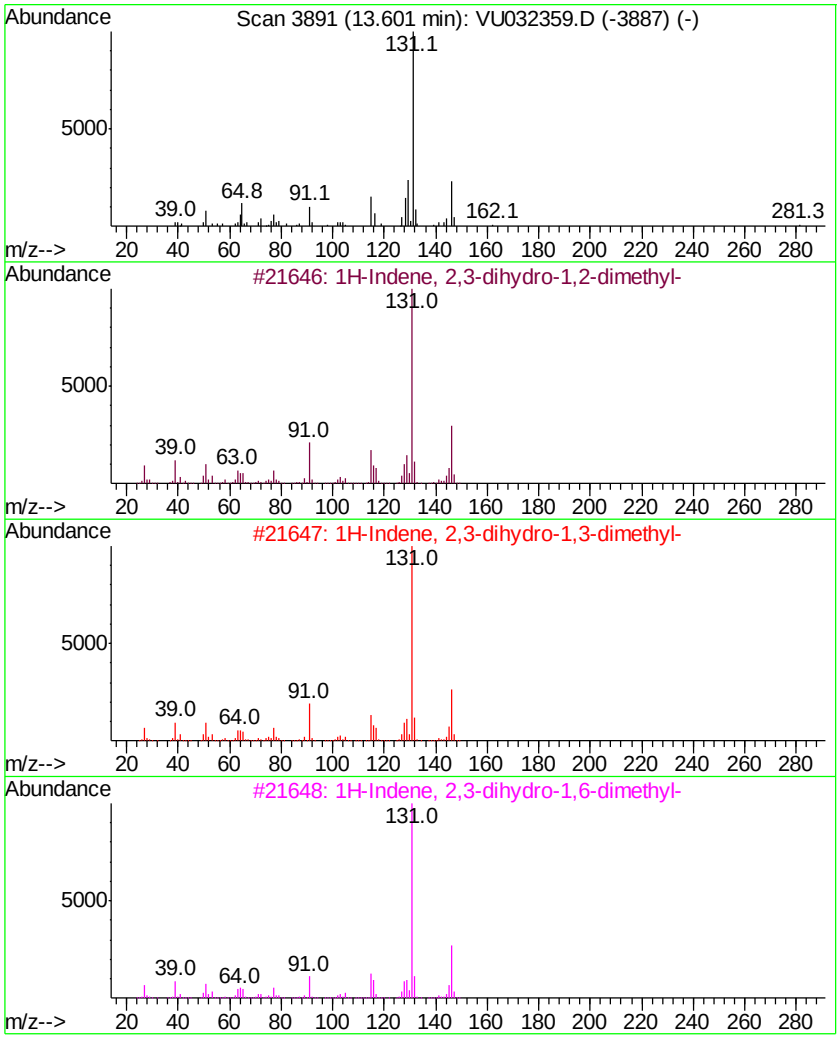
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

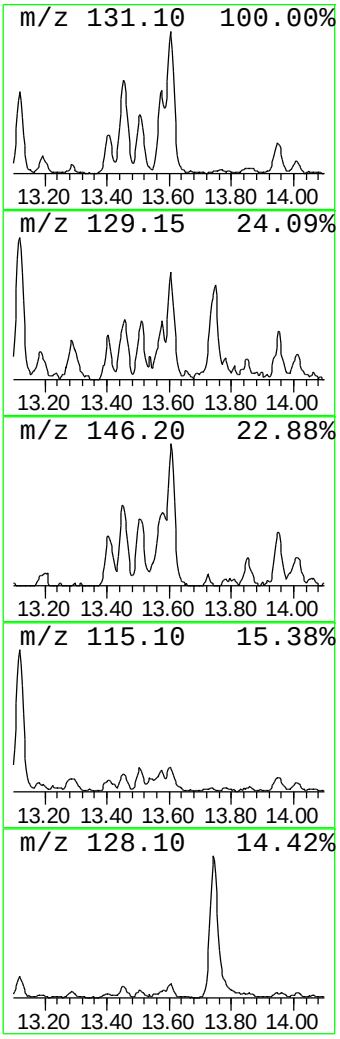
****

Peak Number 22 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	0.68 ug/L	149717	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	87
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	83
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	83
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032359.D
Acq On : 29 May 2019 14:30
Operator : JC/SP
Sample : K3045-09 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C53

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.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: Str...	1.76	2.9	ug/L	570754	1	5.88	983377	5.0
(DEL) Alkane: Str...	2.70	0.7	ug/L	131585	1	5.88	983377	5.0
(DEL) Alkane: Str...	2.99	1.0	ug/L	198461	1	5.88	983377	5.0
(DEL) Alkane: Str...	4.08	0.6	ug/L	120995	1	5.88	983377	5.0
(DEL) Alkane: Cyc...	5.54	0.6	ug/L	124935	1	5.88	983377	5.0
(DEL) Alkane: Str...	7.04	0.6	ug/L	115334	1	5.88	983377	5.0
Benzene, 1,2,3-tr...	10.97	0.6	ug/L	130265	3	11.48	1107790	5.0
Benzene, 1,2,4-tr...	11.14	3.4	ug/L	747096	3	11.48	1107790	5.0
Indane	11.76	7.7	ug/L	1700670	3	11.48	1107790	5.0
Benzene, 1-methyl...	12.14	0.7	ug/L	160539	3	11.48	1107790	5.0
Benzene, 2-ethyl-...	12.25	0.9	ug/L	200961	3	11.48	1107790	5.0
Benzene, (2-methy...	12.28	0.6	ug/L	134506	3	11.48	1107790	5.0
Indan, 1-methyl-	12.35	1.7	ug/L	384296	3	11.48	1107790	5.0
Benzene, 1,2,3,4-...	12.65	1.1	ug/L	254183	3	11.48	1107790	5.0
Benzene, 1,2,4,5-...	12.70	1.0	ug/L	214477	3	11.48	1107790	5.0
Benzene, (1-methy...	12.96	0.8	ug/L	184639	3	11.48	1107790	5.0
Benzene, 2-etheny...	13.12	2.7	ug/L	599038	3	11.48	1107790	5.0
Benzene, pentamet...	13.50	0.5	ug/L	119671	3	11.48	1107790	5.0
1H-Indene, 2,3-di...	13.60	0.7	ug/L	149717	3	11.48	1107790	5.0