LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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	1.283	54	60	63	rBV	100514	94175	3.81%	0.295%
2	1.299	63	65	78	rVB	76380	66218	2.68%	0.208%
3	1.399	88	96	105	rBV2	303045	332869	13.48%	1.044%
4	1.675	175	182	196	rVB	143679	185395	7.51%	0.581%
5	1.752	196	206	224	rVB	560582	730860	29.60%	2.292%
6	1.942	256	265	277	rVB	142651	190010	7.69%	0.596%
7	2.270	355	367	389	rBV	299902	522940	21.18%	1.640%
8	2.701	489	501	505	rBV2	82159	156638	6.34%	0.491%
9	2.733	506	511	520	rVV3	145910	266689	10.80%	0.836%
10	2.781	520	526	535	rVV	102686	188330	7.63%	0.591%
11	2.836	536	543	566	rVB	56612	130974	5.30%	0.411%
12	2.987	576	590	607	rVB	145058	311403	12.61%	0.977%
13	3.289	673	684	698	rVB3	28316	60172	2.44%	0.189%
14	3.836	839	854	874	rBV6	12679	40144	1.63%	0.126%
15	3.981	882	899	912	rBV3	33327	84824	3.44%	0.266%
16	4.080	912	930	950	rVB2	177307	470614	19.06%	1.476%
17	4.196	950	966	1004	rBV2	189978	612979	24.82%	1.922%
18	4.643	1089	1105	1121	rBV2	210099	497886	20.16%	1.562%
19	4.720	1121	1129	1151	rVB4	21733	58392	2.36%	0.183%
20	4.977	1191	1209	1224	rBV4	121155	299495	12.13%	0.939%
21	5.071	1224	1238	1256	rVB2	96722	241278	9.77%	0.757%
22	5.209	1266	1281	1299	rBV3	118974	298408	12.08%	0.936%
23	5.331	1300	1319	1327	rBV3	441946	1149454	46.55%	3.605%
24	5.383	1328	1335	1352	rVB	477459	956964	38.75%	3.001%
25	5.473	1353	1363	1371	rBV4	52874	109180	4.42%	0.342%
26	5.527	1373	1380	1381	rBV2	39099	39143	1.59%	0.123%
27	5.614	1397	1407	1424	rVB5	34091	75568	3.06%	0.237%
28	5.775	1444	1457	1473	rVB6	14954	32076	1.30%	0.101%
29	5.881	1477	1490	1513	rBV	450831	925632	37.48%	2.903%
30	6.328	1616	1629	1641	rBV	273467	545037	22.07%	1.709%
31	6.405	1642	1653	1664	rVV7	66424	169978	6.88%	0.533%
32	6.469	1664	1673	1681	rVV3	32009	56955	2.31%	0.179%
33	6.527	1681	1691	1702	rVB3	48421	90979	3.68%	0.285%
34	6.637	1716	1725	1735	rVB6	15727	31289	1.27%	0.098%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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	6.727	1735	1753	1770	rVB7	30746	78317	3.17%	0.246%
36	6.916	1796	1812	1832	rVB4	55479	130048	5.27%	0.408%
37	7.042	1837	1851	1861	rBV5	58696	135326	5.48%	0.424%
38	7.100	1862	1869	1879	rVB3	34750	60071	2.43%	0.188%
39	7.225	1897	1908	1922	rBV2	149048	284611	11.53%	0.893%
40	7.563	1989	2013	2029	rBV	602376	1130670	45.79%	3.546%
41	7.852	2090	2103	2114	rBV2	81826	151519	6.14%	0.475%
42	7.907	2117	2120	2131	rVB5	18762	29335	1.19%	0.092%
43	8.038	2142	2161	2170	rBV4	24009	50488	2.04%	0.158%
44	8.312	2235	2246	2280	rBV	688381	1346405	54.52%	4.223%
45	9.026	2458	2468	2475	rBV6	17627	34429	1.39%	0.108%
46	9.087	2475	2487	2505	rVV	652049	1093838	44.30%	3.431%
47	9.244	2525	2536	2559	rBV	650542	1068916	43.29%	3.352%
48	9.370	2563	2575	2593	rBV	1137967	1904401	77.12%	5.973%
49	9.714	2667	2682	2689	rBV7	16534	32964	1.33%	0.103%
50	10.164	2809	2822	2834	rBV	209029	335399	13.58%	1.052%
51	10.427	2893	2904	2919	rBV	225363	374153	15.15%	1.173%
52	10.585	2942	2953	2971	rVB	293419	463074	18.75%	1.452%
53	10.678	2971	2982	2986	rBV	316304	493067	19.97%	1.546%
54	10.768	3000	3010	3028	rVB	225902	354725	14.36%	1.113%
55	10.968	3057	3072	3095	rBV	260163	428814	17.37%	1.345%
56	11.144	3115	3127	3155	rVB	1618780	2469380	100.00%	7.745%
57	11.286	3159	3171	3176	rVV2	41239	68890	2.79%	0.216%
58	11.318	3176	3181	3194	rVB	66915	105199	4.26%	0.330%
59	11.421	3205	3213	3221	rBV2	36358	52275	2.12%	0.164%
60	11.479	3221	3231	3248	rVV	710233	1131226	45.81%	3.548%
61	11.566	3248	3258	3274	rVB	308322	482763	19.55%	1.514%
62	11.762	3307	3319	3329	rBV2	788962	1452293	58.81%	4.555%
63	11.858	3339	3349	3372	rVB3	756480	1386075	56.13%	4.347%
64	11.977	3376	3386	3399	rVB3	48941	77914	3.16%	0.244%
65	12.051	3399	3409	3423	rVB	82585	132357	5.36%	0.415%
66	12.144	3426	3438	3442	rBV	139955	207742	8.41%	0.652%
67	12.173	3443	3447	3458	rVB2	109501	147069	5.96%	0.461%
68	12.247	3458	3470	3476	rBV2	229490	351198	14.22%	1.101%
69	12.283	3477	3481	3492	rVB	92679	125887	5.10%	0.395%
70	12.350	3492	3502	3509	rBV	141612	247747	10.03%	0.777%
71	12.488	3532	3545	3553	rBV4	27433	50626	2.05%	0.159%

LSC Area Percent Report

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Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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	12.546	3553	3563	3575	rVB3	57037	106019	4.29%	0.333%
73	12.646	3575	3594	3602	rBV	126369	239104	9.68%	0.750%
74	12.697	3602	3610	3626	rVB	177136	283656	11.49%	0.890%
75	12.784	3626	3637	3643	rBV3	66120	105131	4.26%	0.330%
76	12.919	3668	3679	3683	rBV5	21638	40213	1.63%	0.126%
77	12.958	3684	3691	3706	rVB2	137250	219927	8.91%	0.690%
78	13.077	3720	3728	3732	rBV3	47573	69066	2.80%	0.217%
79	13.119	3732	3741	3755	rVB2	352636	580929	23.53%	1.822%
80	13.234	3770	3777	3785	rBV2	35544	53756	2.18%	0.169%
81	13.289	3786	3794	3800	rVV5	33199	50976	2.06%	0.160%
82	13.405	3820	3830	3837	rBV4	40511	69878	2.83%	0.219%
83	13.450	3837	3844	3852	rVB3	35911	55404	2.24%	0.174%
84	13.504	3852	3861	3868	rBV4	92013	155201	6.29%	0.487%
85	13.604	3887	3892	3899	rVB2	42625	50917	2.06%	0.160%
86	13.739	3924	3934	3944	rVV	152111	254555	10.31%	0.798%
87	13.855	3960	3970	3988	rVB6	33675	81967	3.32%	0.257%
88	13.951	3991	4000	4011	rBV5	50233	106505	4.31%	0.334%
89	14.009	4011	4018	4027	rVB3	25080	41977	1.70%	0.132%
90	14.147	4051	4061	4077	rBV2	52419	90820	3.68%	0.285%
91	14.337	4108	4120	4132	rBV5	58039	140192	5.68%	0.440%
92	14.472	4154	4162	4173	rBV5	35145	55901	2.26%	0.175%
93	14.540	4173	4183	4195	rVB5	47721	97099	3.93%	0.305%
94	14.601	4195	4202	4215	rVB6	17505	29052	1.18%	0.091%
95	14.675	4215	4225	4242	rBV6	30770	79691	3.23%	0.250%
96	14.877	4275	4288	4296	rBV6	50231	125076	5.07%	0.392%
97	15.009	4320	4329	4336	rBV8	16877	28999	1.17%	0.091%
98	15.061	4336	4345	4358	rVV4	53385	101444	4.11%	0.318%
99	15.585	4500	4508	4524	rVB3	23638	48238	1.95%	0.151%
100	16.064	4650	4657	4664	rBV4	20815	31044	1.26%	0.097%

Sum of corrected areas: 31884896

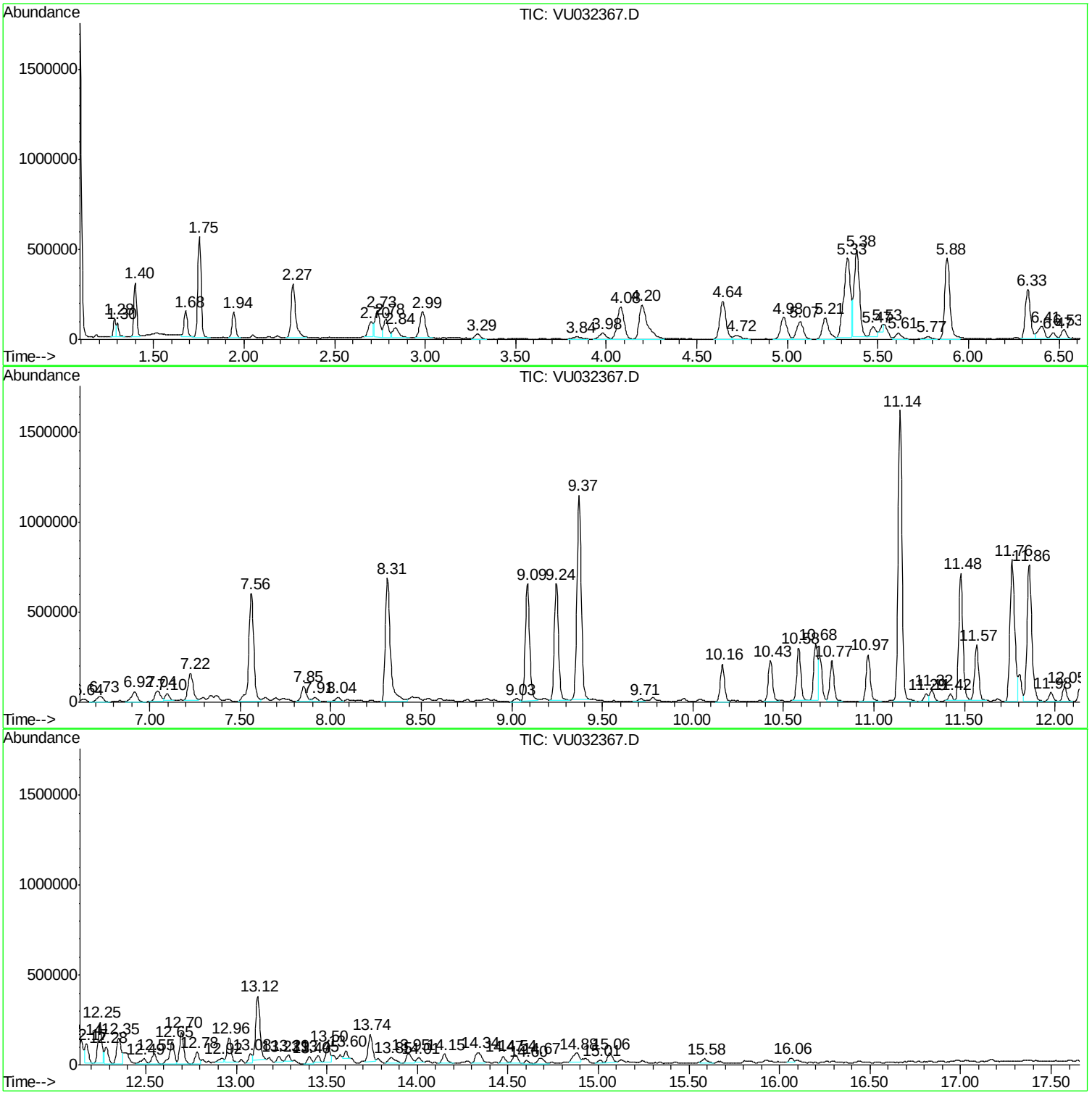
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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

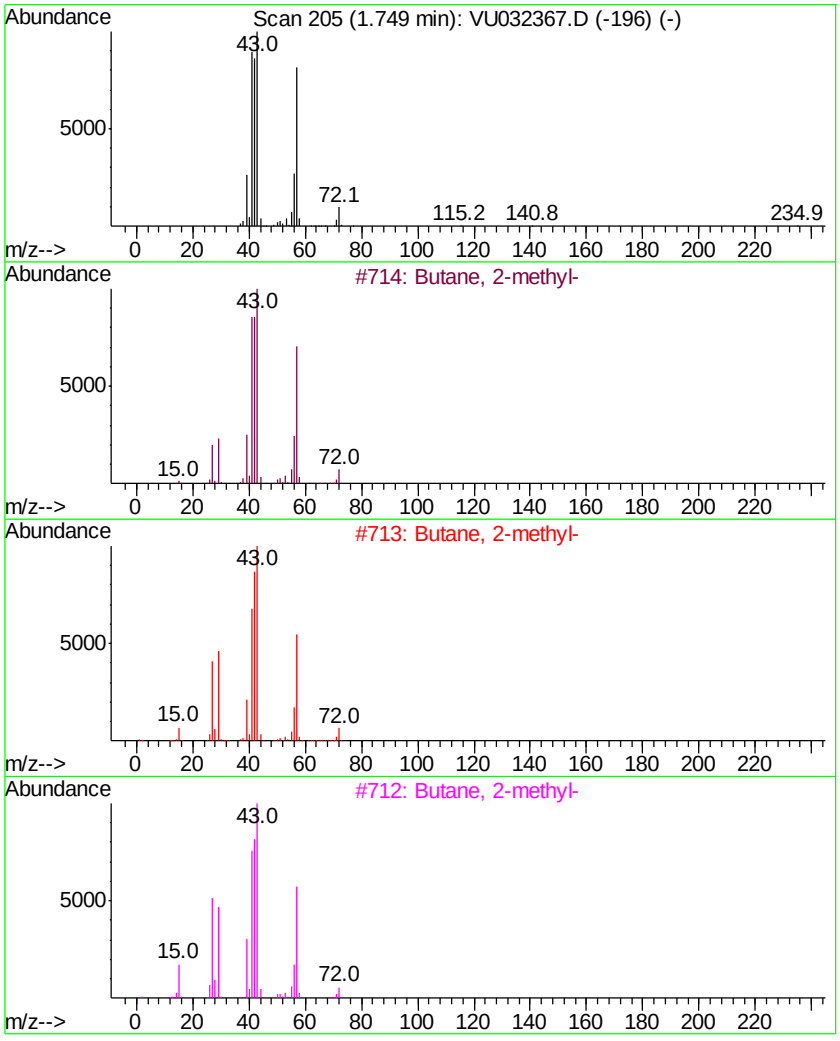
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

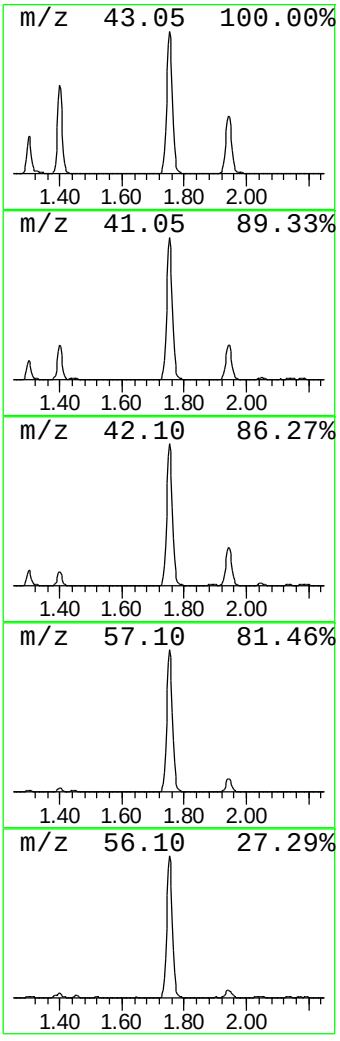
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	3.95 ug/L	730860	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	80
4	3-Buten-1-ol	72	C4H8O	000627-27-0	47
5	Pentane	72	C5H12	000109-66-0	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

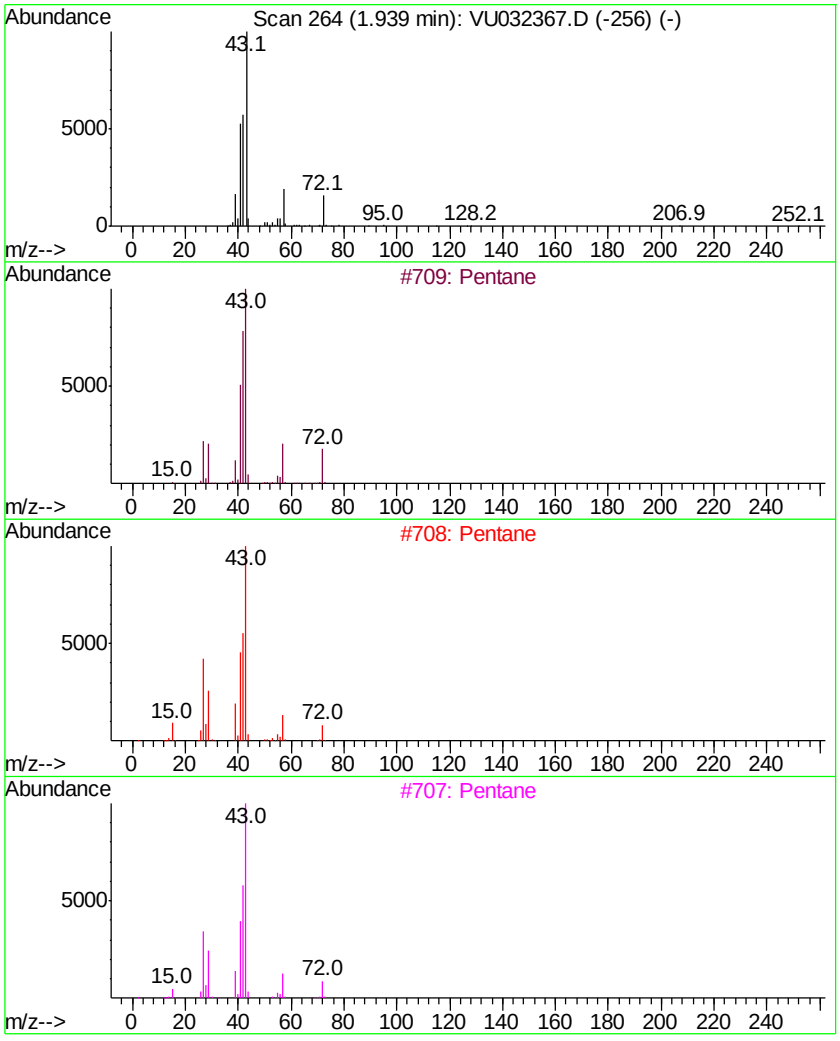
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

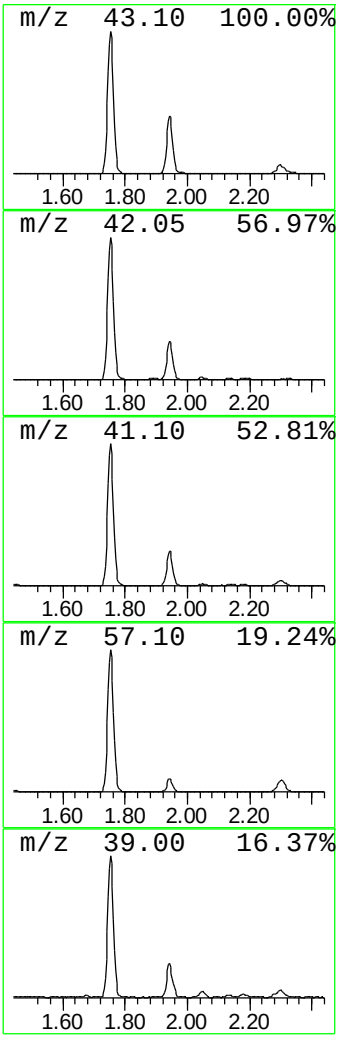
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.94	1.03 ug/L	190010	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Pentane	72	C5H12	000109-66-0	86
3	Pentane	72	C5H12	000109-66-0	86
4	Pentane	72	C5H12	000109-66-0	72
5	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	39





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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

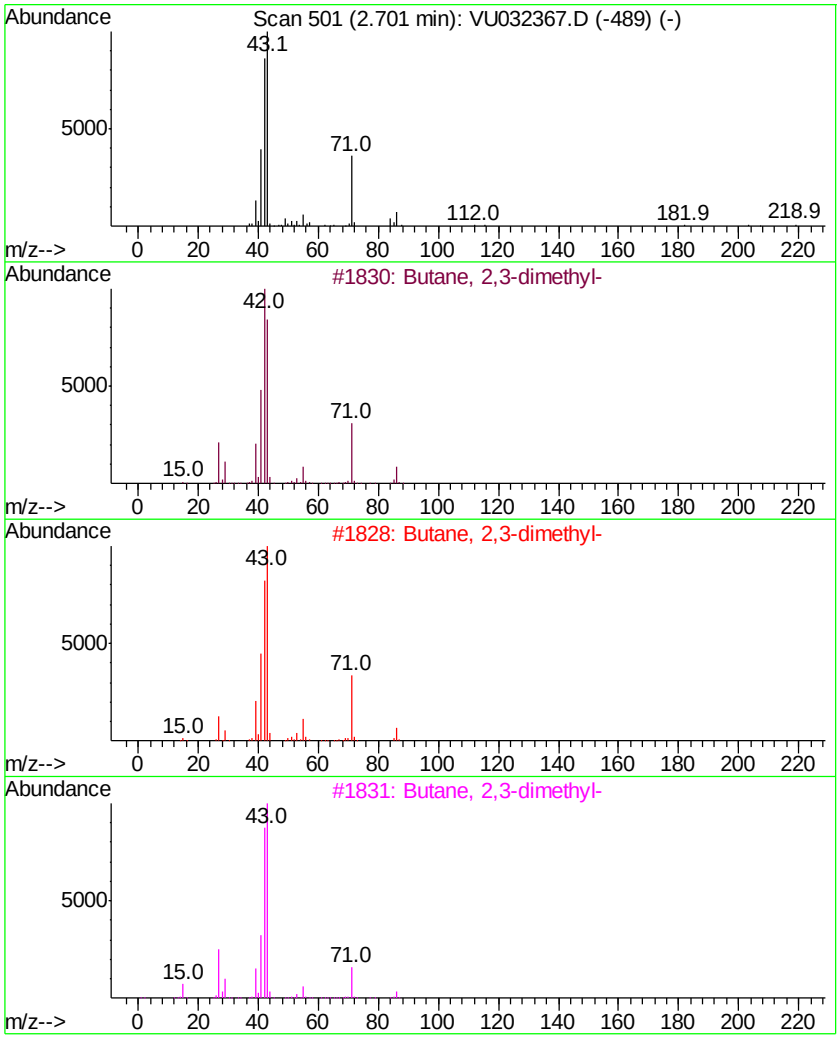
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

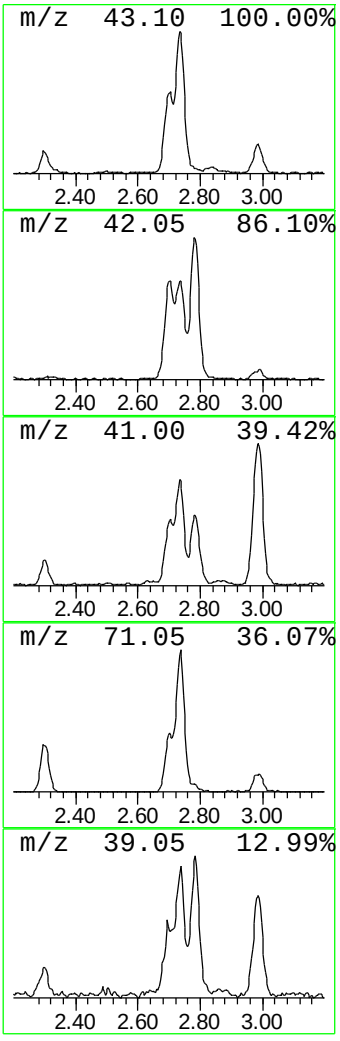
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.70	0.85 ug/L	156638	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	78
4	1,2,3-Trimethyldiaziridine	86	C4H10N2	113604-56-1	59
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	56





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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

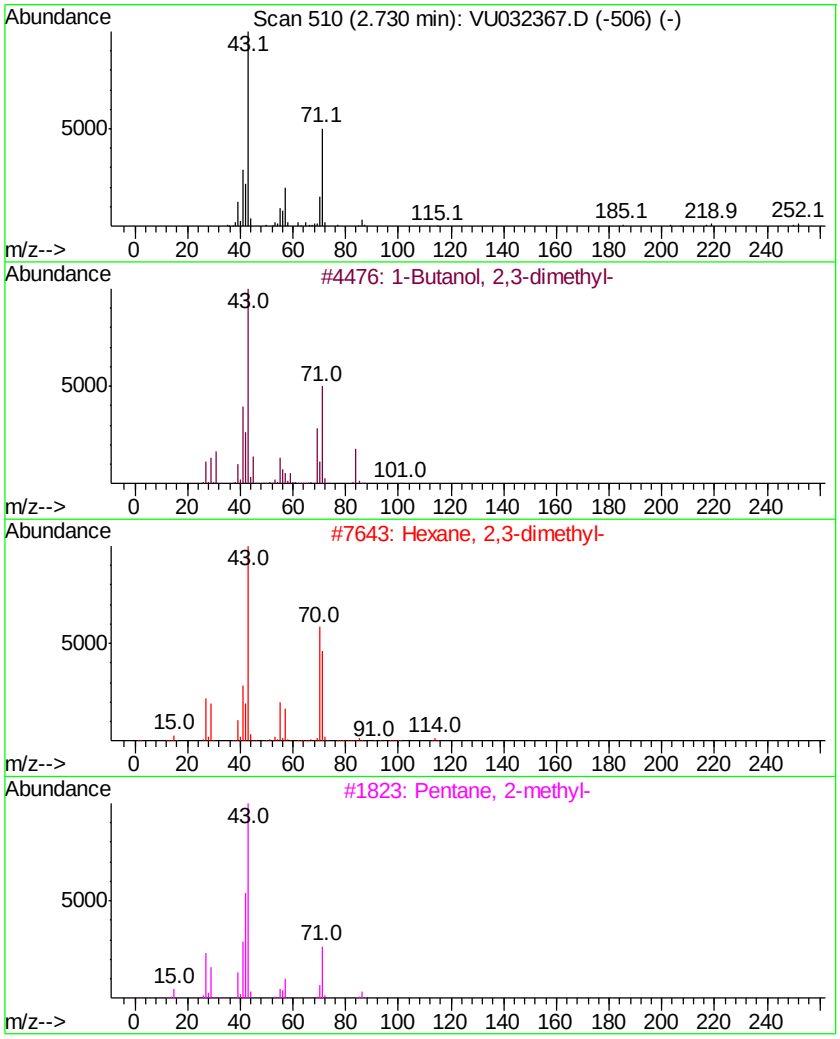
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

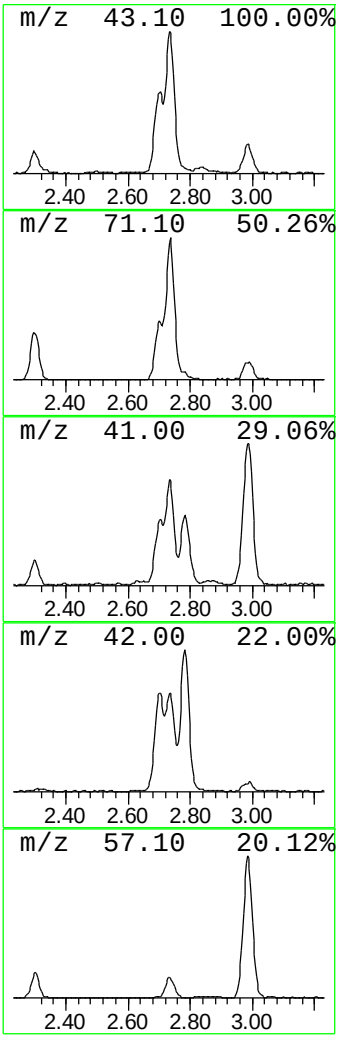
****

Peak Number 5 1-Butanol, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.73	1.44 ug/L	266689	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	72
2	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	64
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	43
4	Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	42
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	42





Library Search Compound Report

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Data File : VU032367.D
Acq On : 29 May 2019 18:34
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Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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

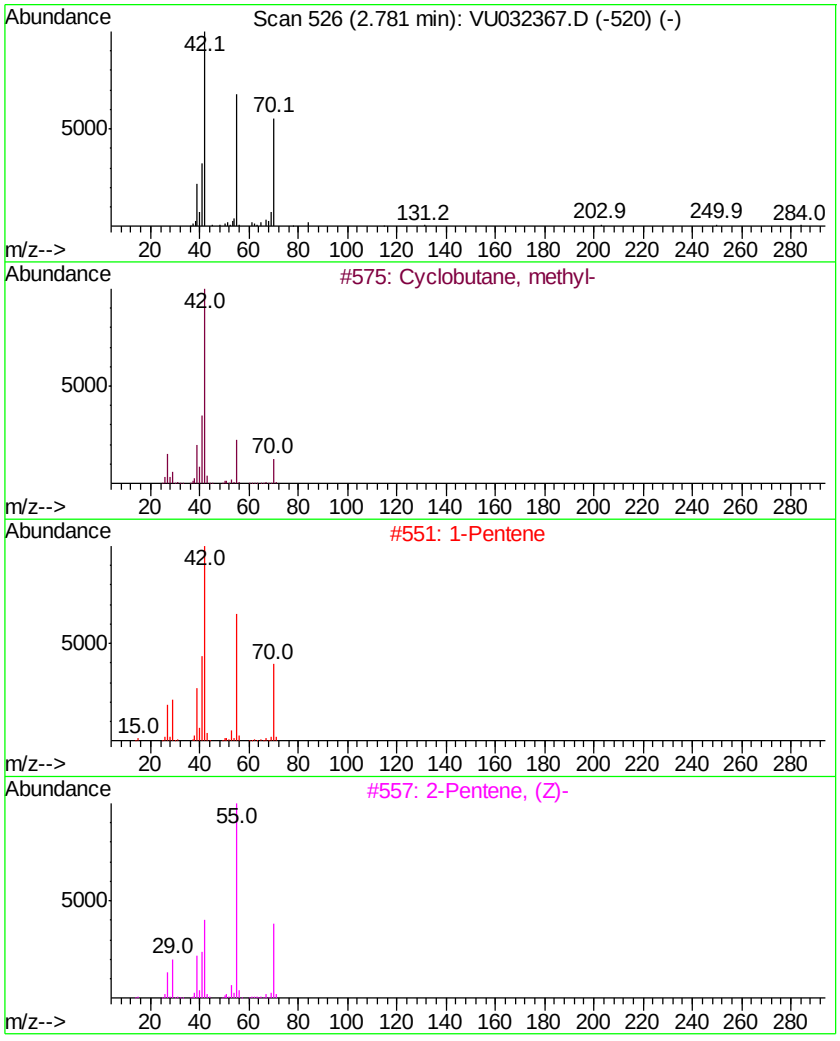
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

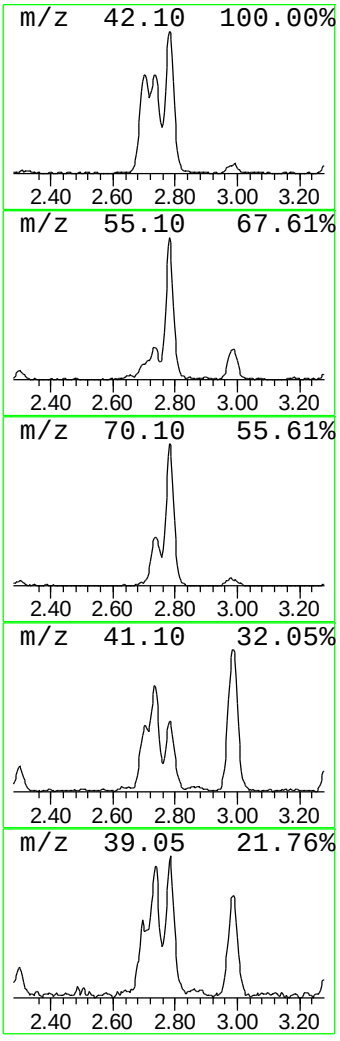
****

Peak Number 6 (DEL) Alkane: Cyclic2.78 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	1.02 ug/L	188330	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	72
2	1-Pentene	70	C5H10	000109-67-1	72
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	43
4	2-Pentene	70	C5H10	000109-68-2	43
5	Formic acid, pentyl ester	116	C6H12O2	000638-49-3	40





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Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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

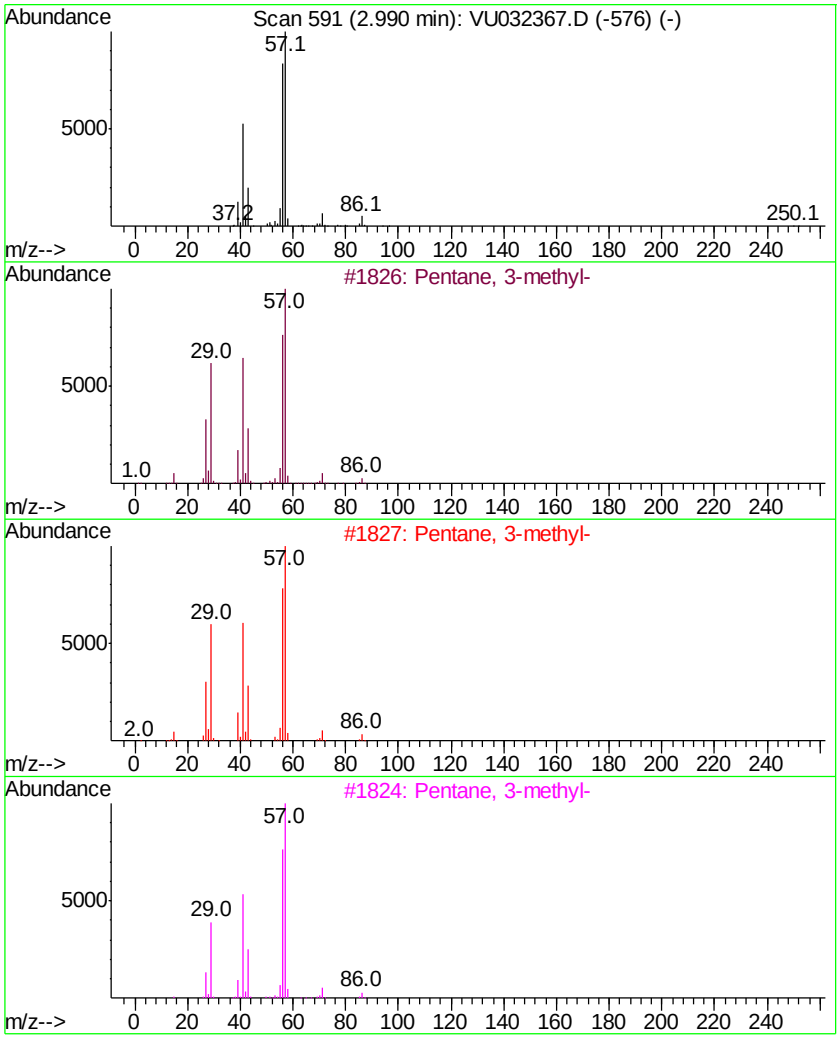
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

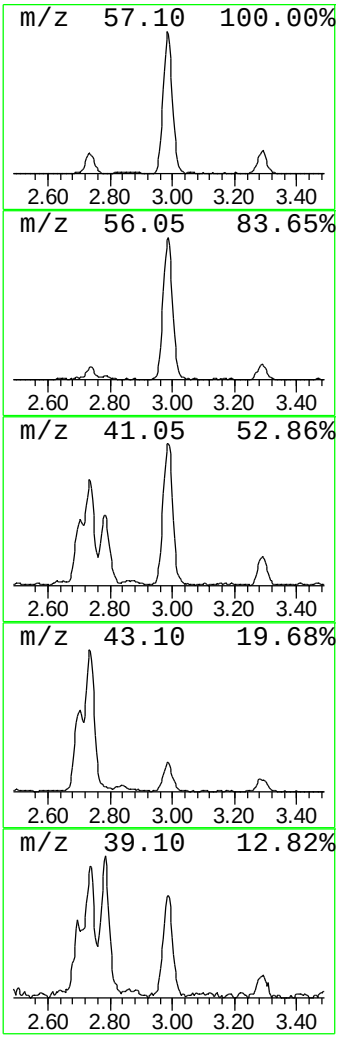
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.99	1.68 ug/L	311403	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64





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Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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

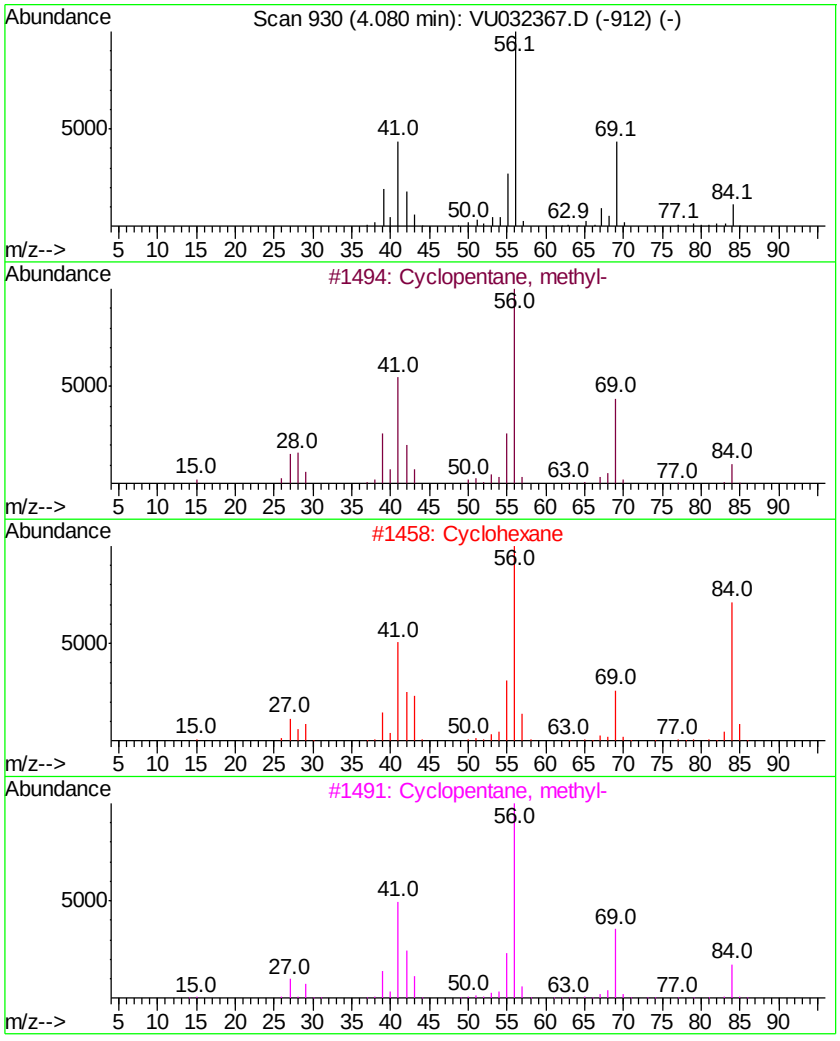
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

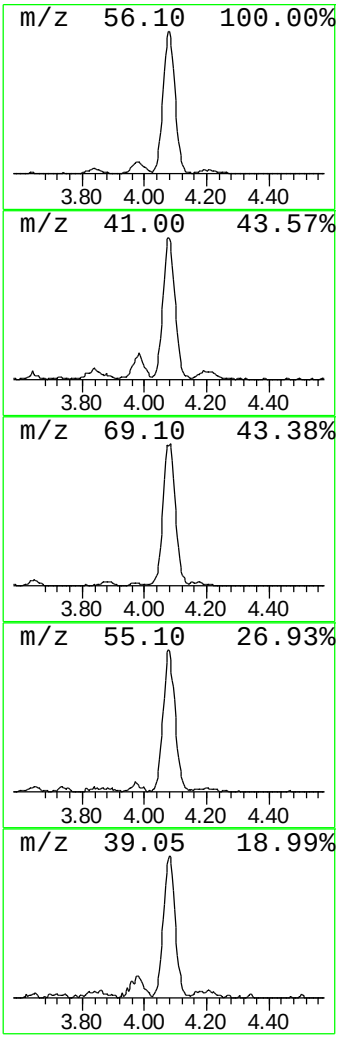
****

Peak Number 9 (DEL) Alkane: Cyclic4.08 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	2.54 ug/L	470614	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclohexane	84	C6H12	000110-82-7	78
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	78
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
5	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	59





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Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

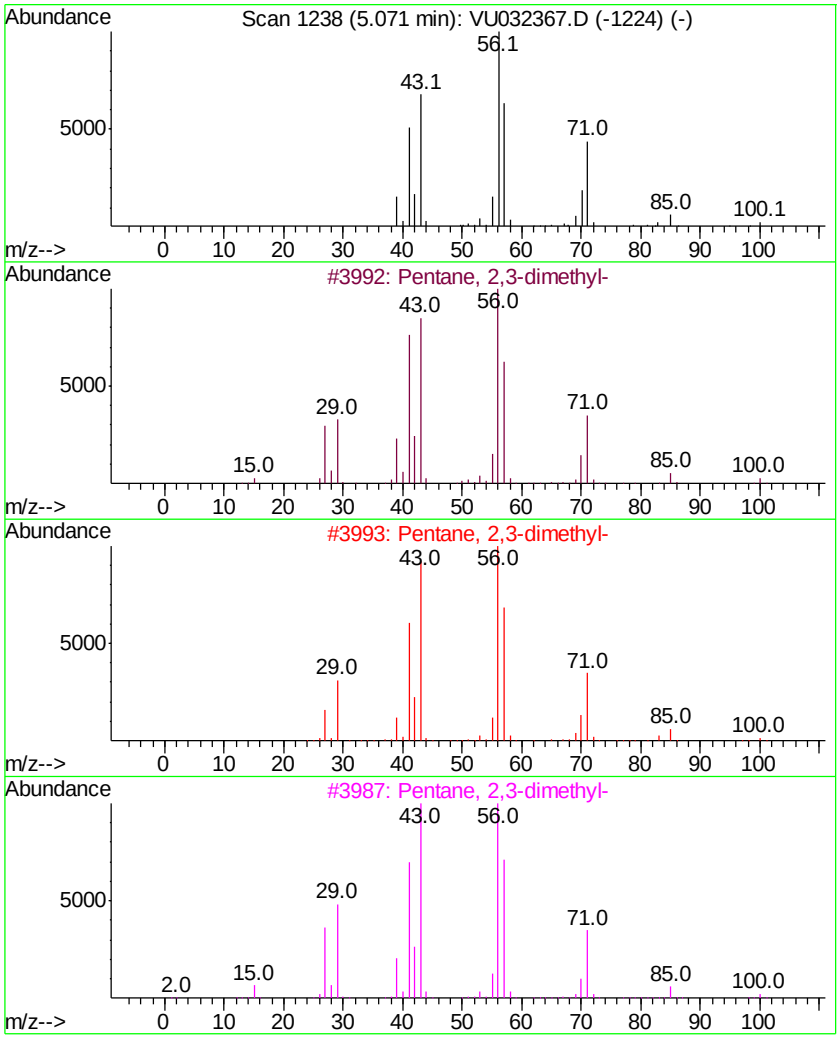
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR052219WMA.M
Quant Title : TRACE VOA SOM01.0

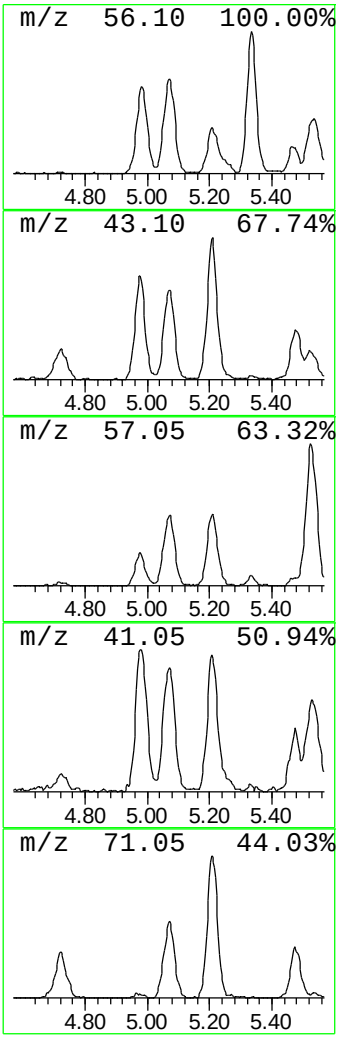
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	1.30 ug/L	241278	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	74
5	Heptane	100	C7H16	000142-82-5	43





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Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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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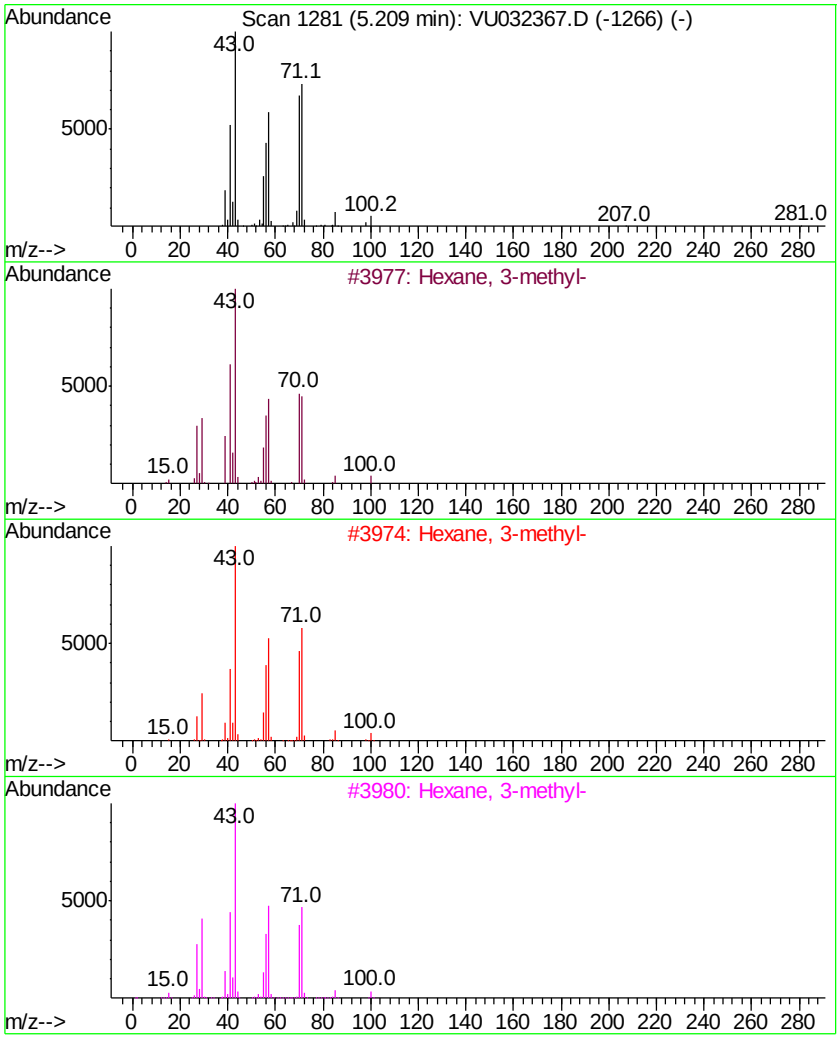
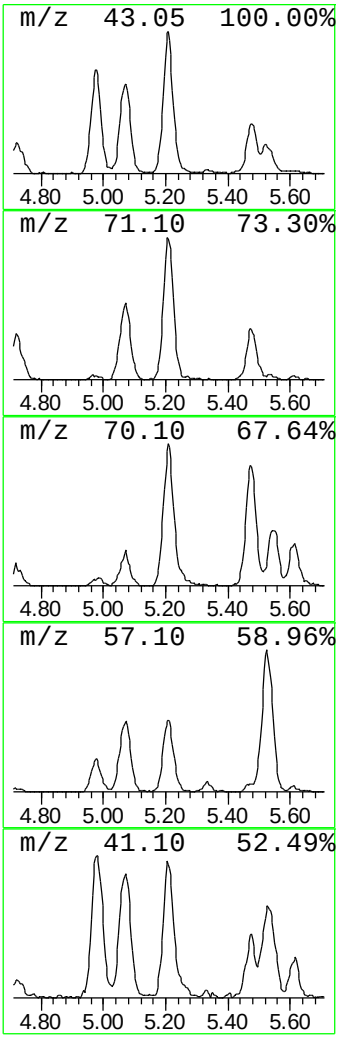
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	1.61 ug/L	298408	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	95
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	86
4	Heptane	100	C7H16	000142-82-5	80
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64





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Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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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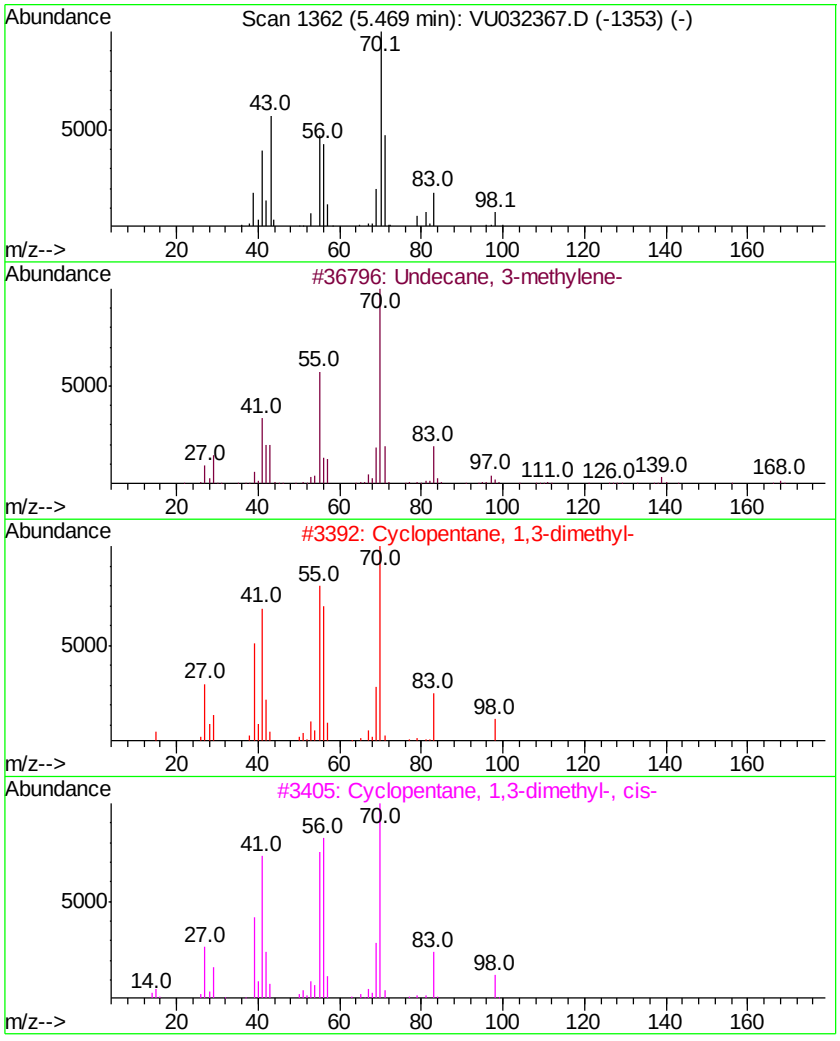
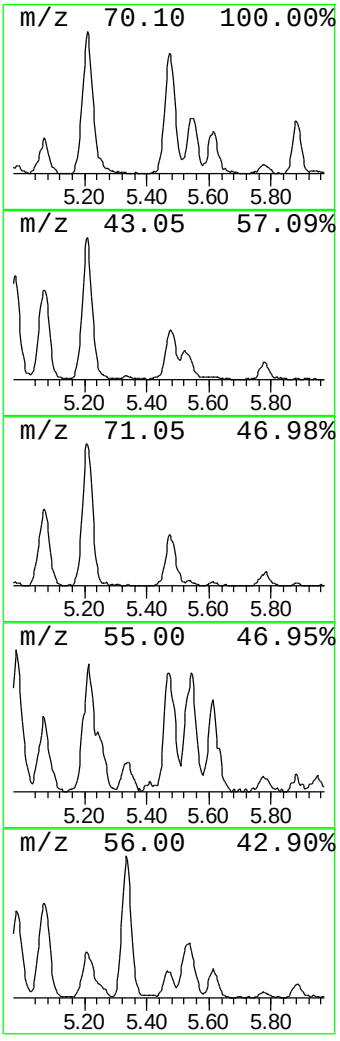
Peak Number 12 (DEL) Alkane: Cyclic5.47 Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.47	0.59 ug/L	109180	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methylene-	168	C12H24	071138-64-2	53
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	53
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	49
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	49
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	47





Library Search Compound Report

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Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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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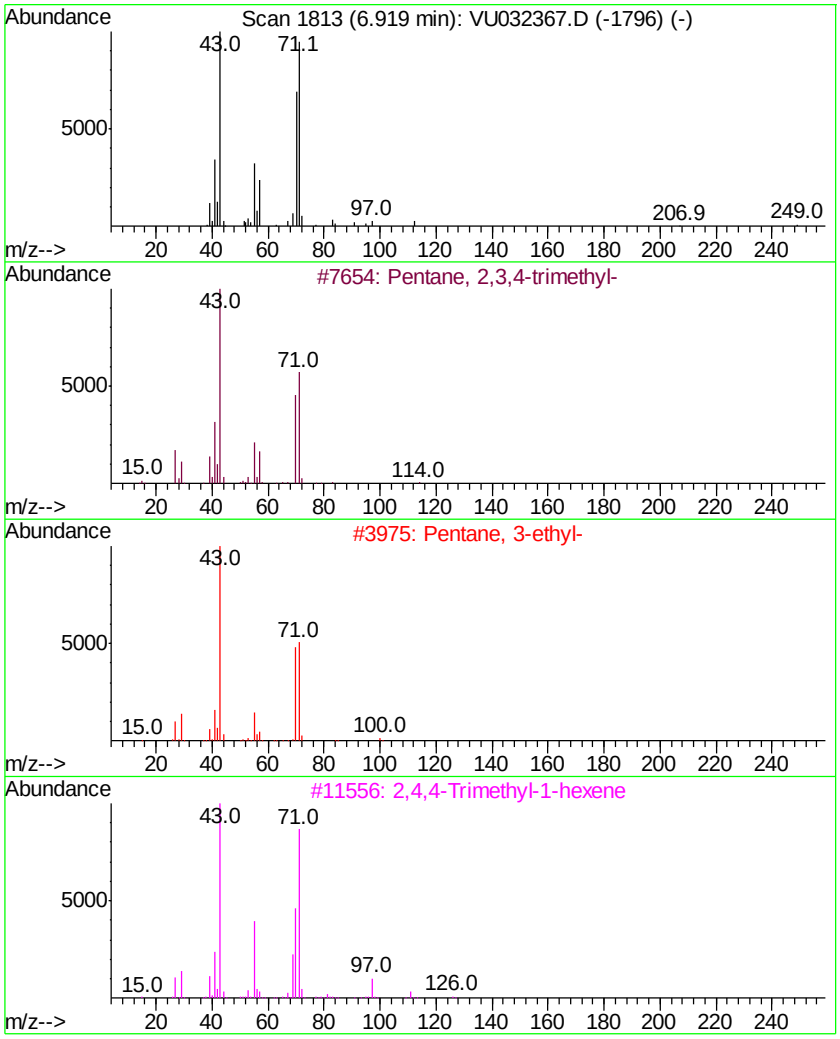
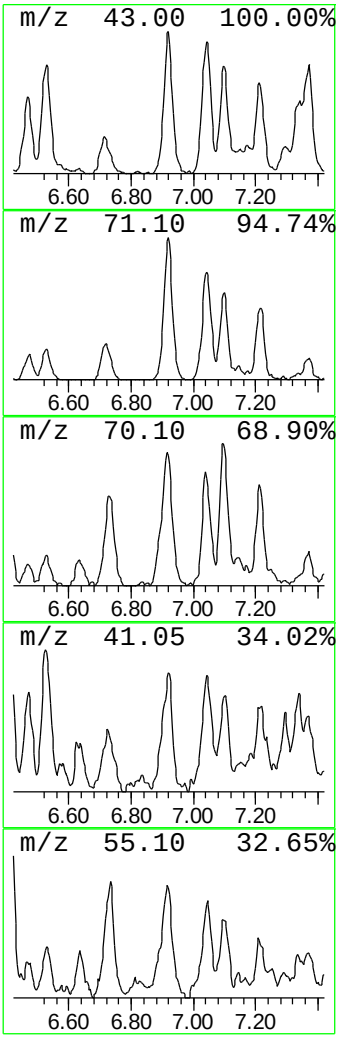
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	0.70 ug/L	130048	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	86
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
3	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	78
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
5	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	72





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Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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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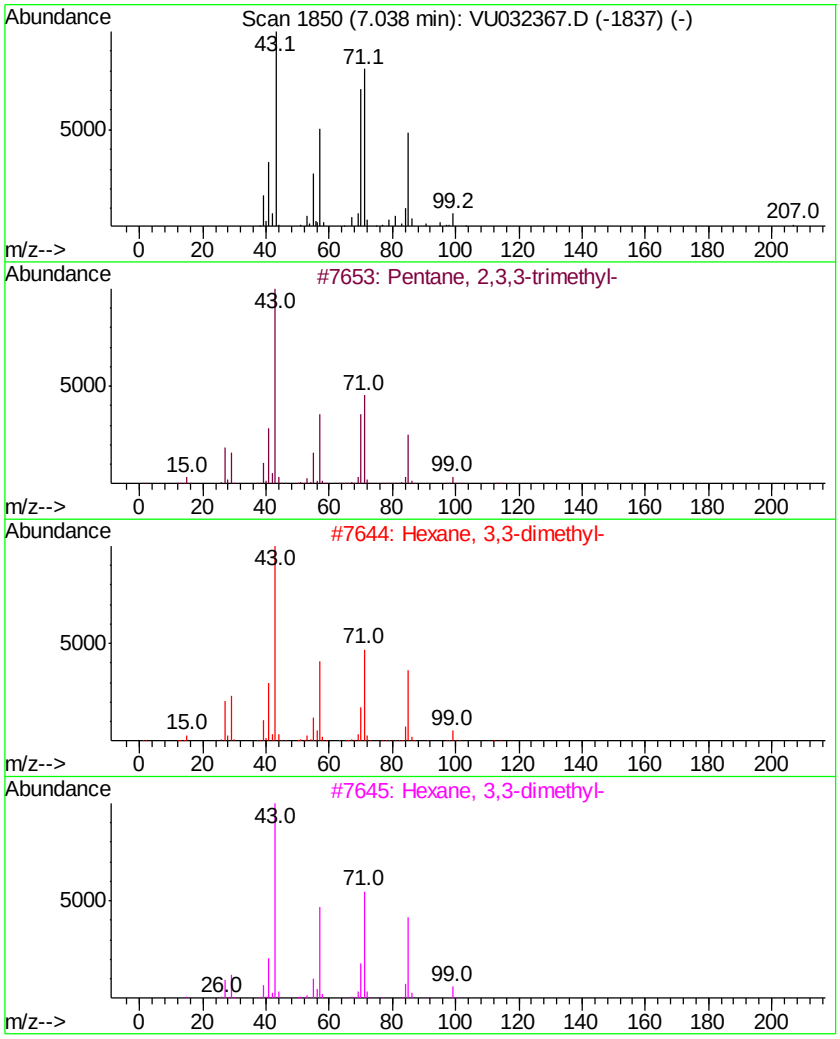
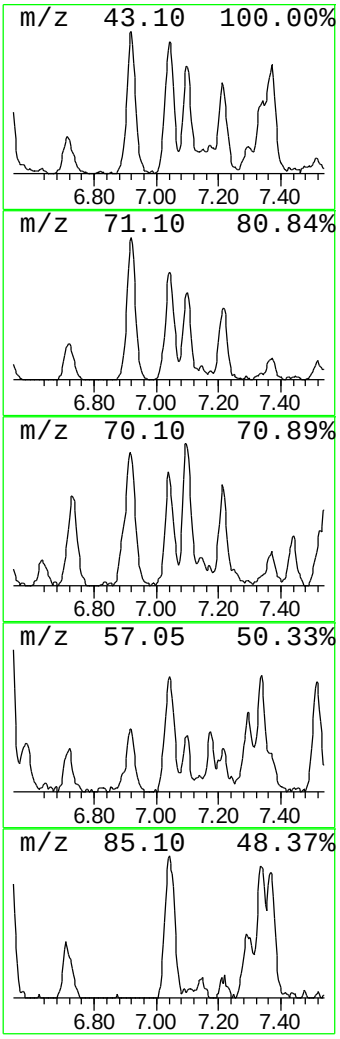
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.04	0.73 ug/L	135326	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	83
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	72
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	64
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	56
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	53





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Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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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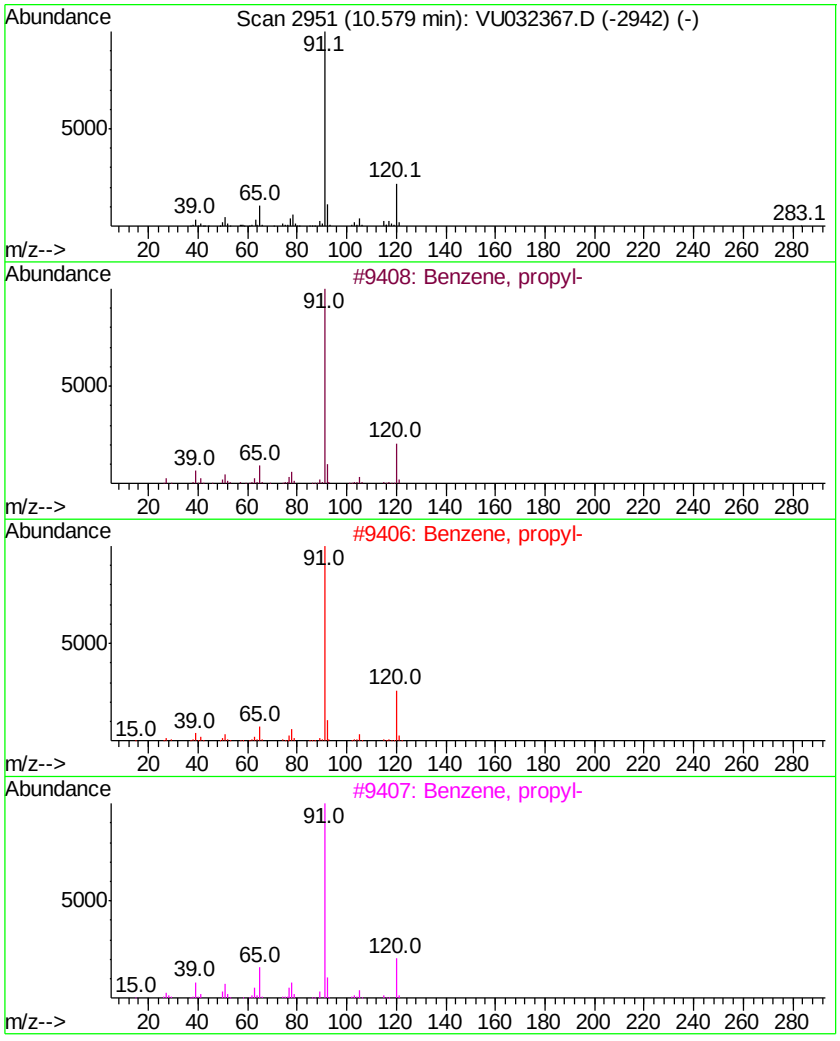
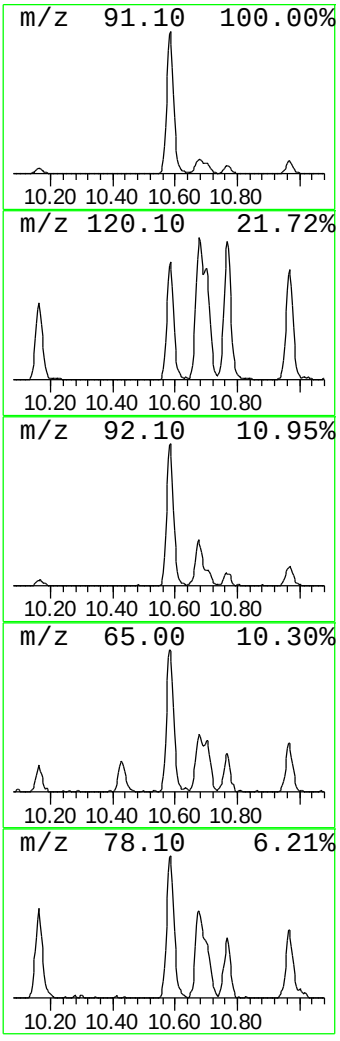
Peak Number 16 Benzene, propyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	2.05 ug/L	463074	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	87
2	Benzene, propyl-	120	C9H12	000103-65-1	87
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	78
5	1,2-Ethanediamine, N,N'-bis(phen...	240	C16H20N2	000140-28-3	72





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Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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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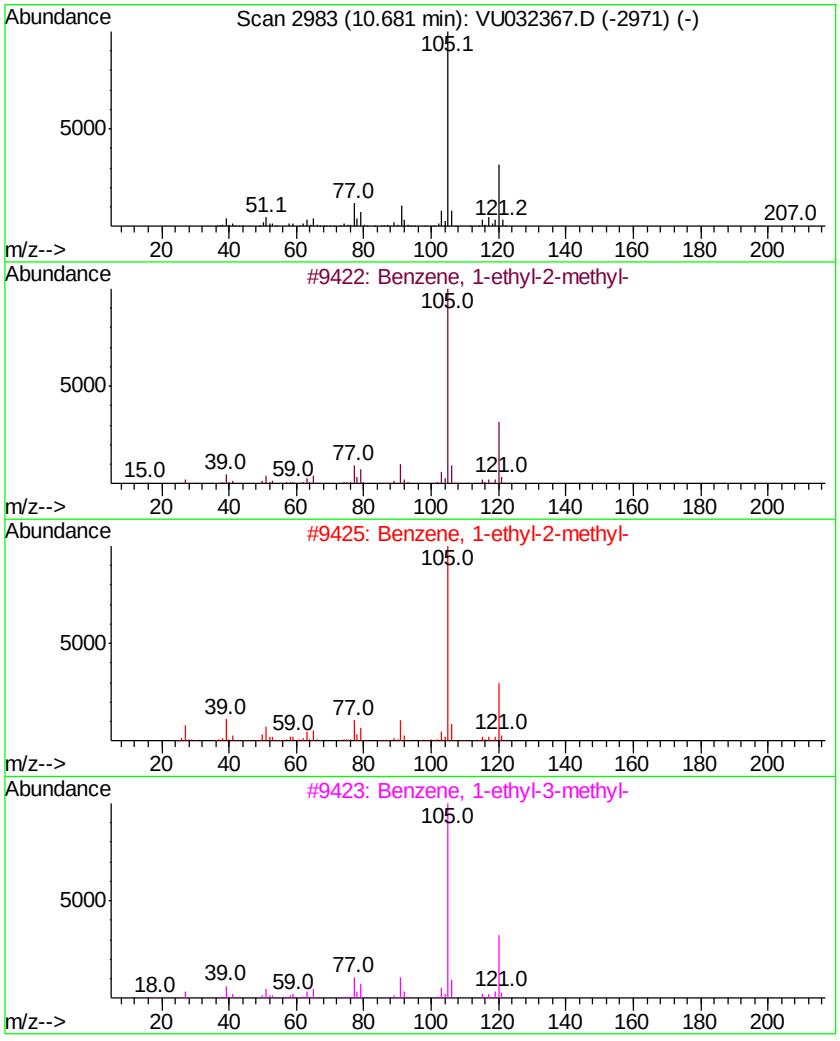
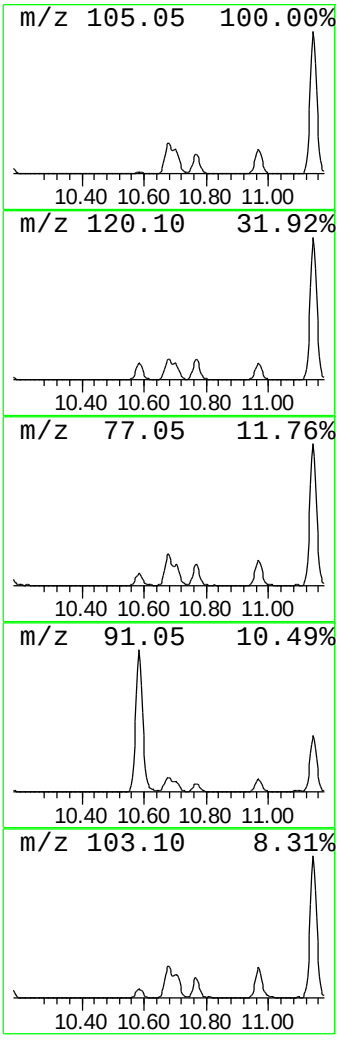
Peak Number 17 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	2.18 ug/L	493067	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

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Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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, 1,2,3-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	1.57 ug/L	354725	1,4-Dichlorobenzene-d4	11.48

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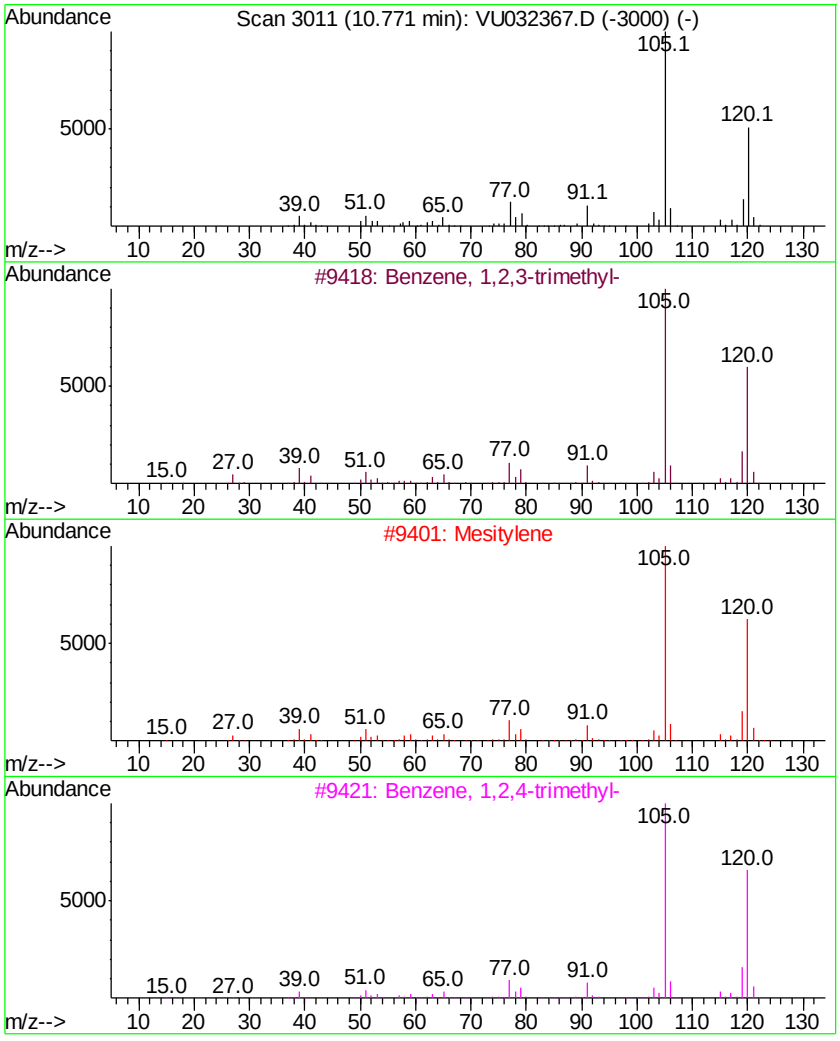
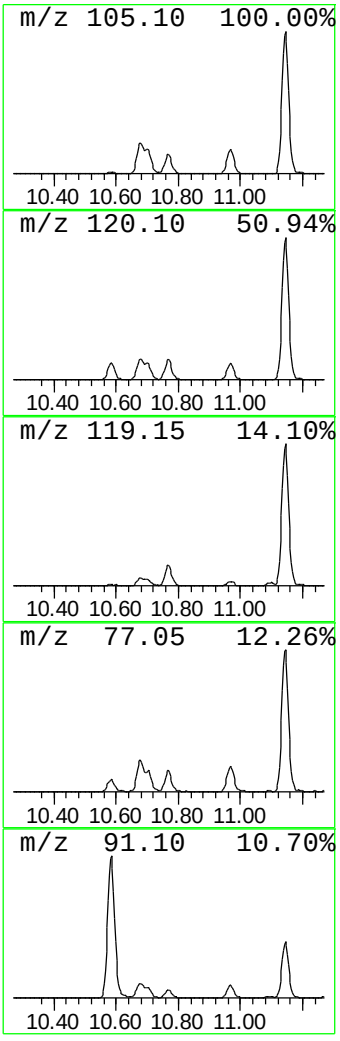
5	Mesitylene	120	C9H12	000108-67-8	93





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Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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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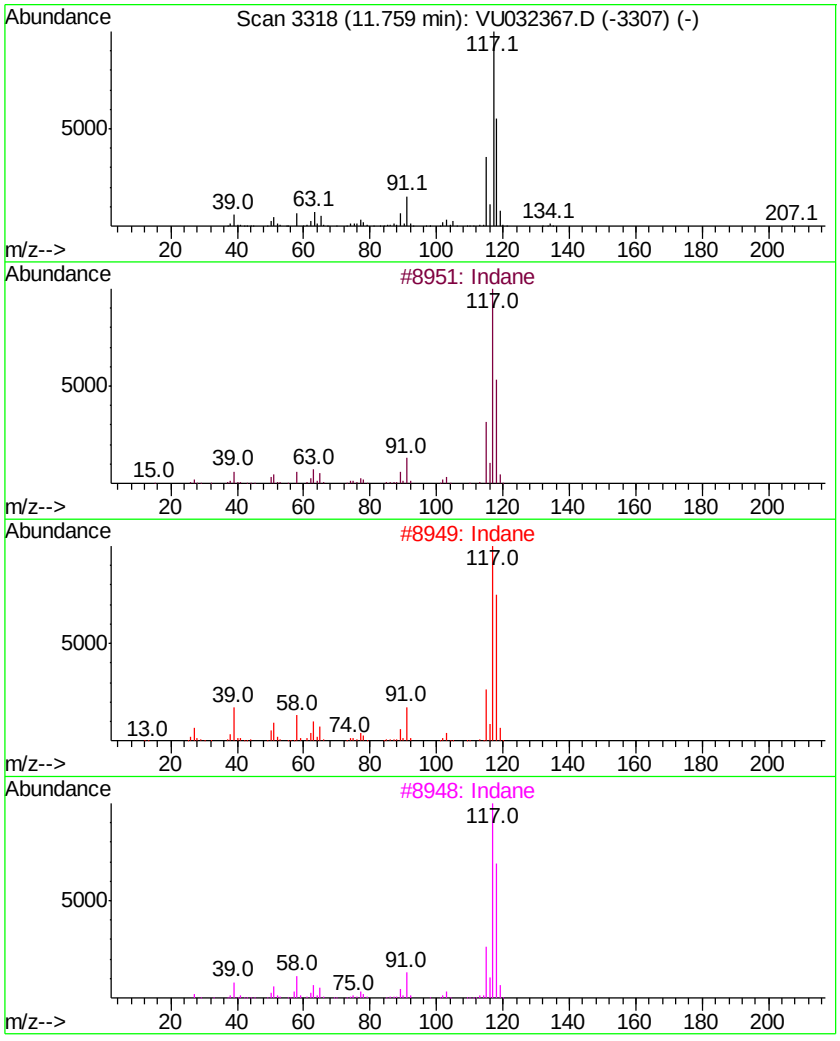
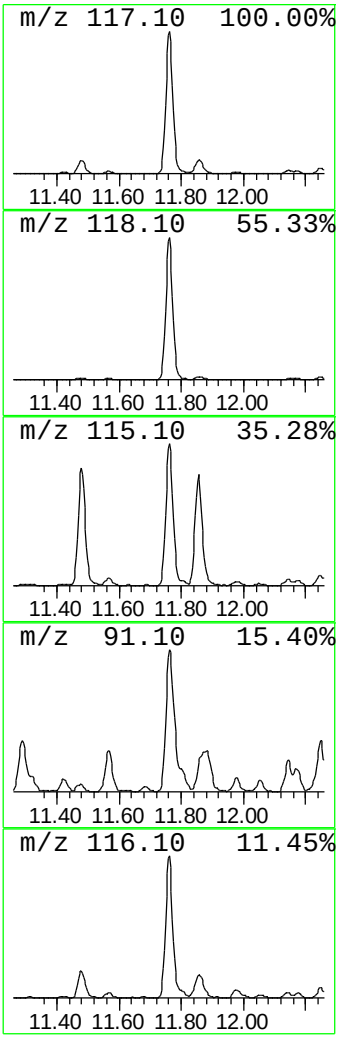
Peak Number 22 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	6.42 ug/L	1452290	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	83
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	80
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	74





Library Search Compound Report

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Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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

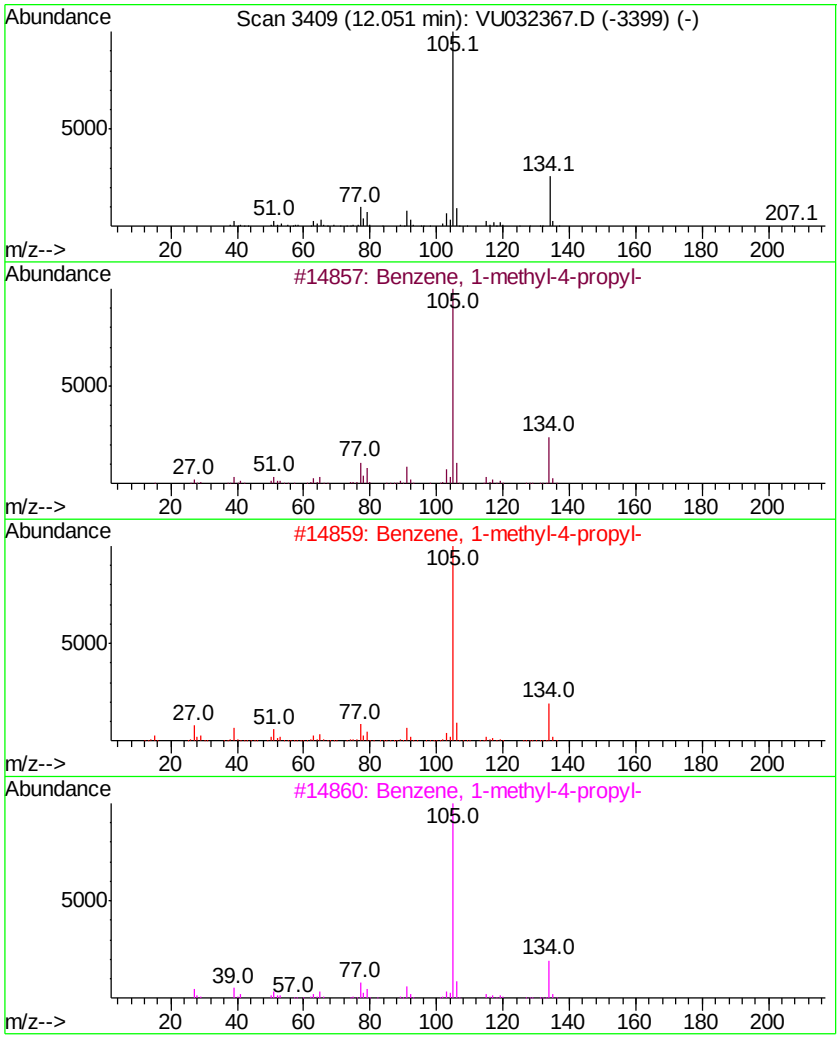
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

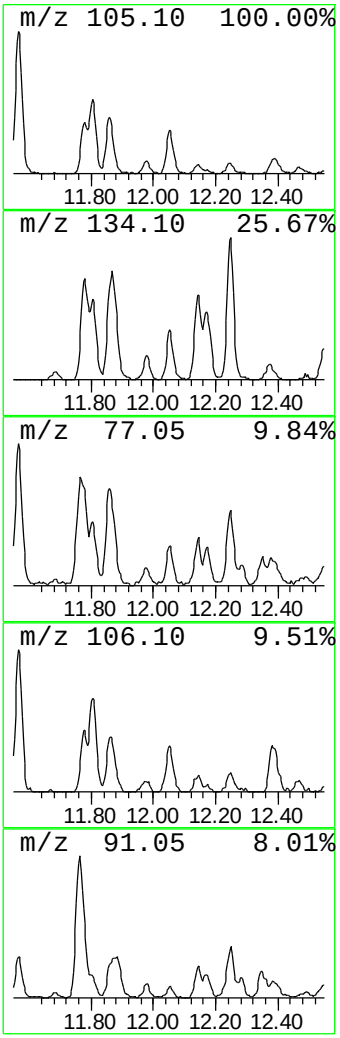
****

Peak Number 23 Benzene, 1-methyl-4-propyl- Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	0.59 ug/L	132357	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	95
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	91
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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

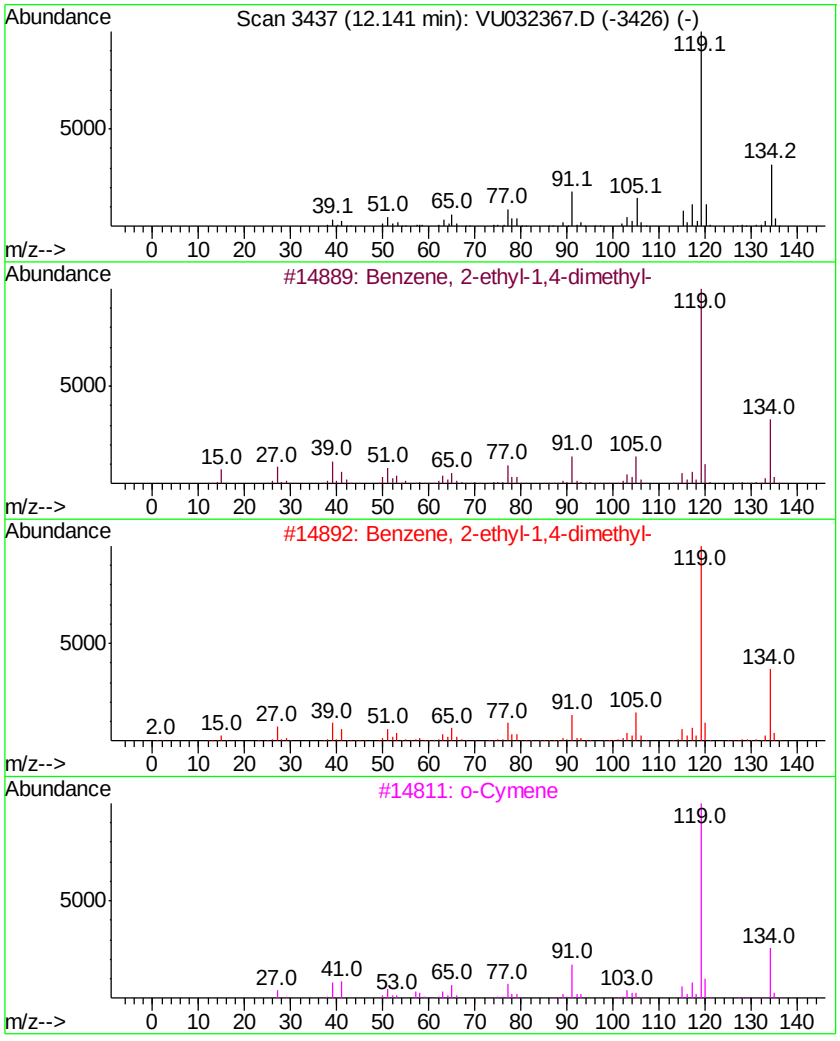
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

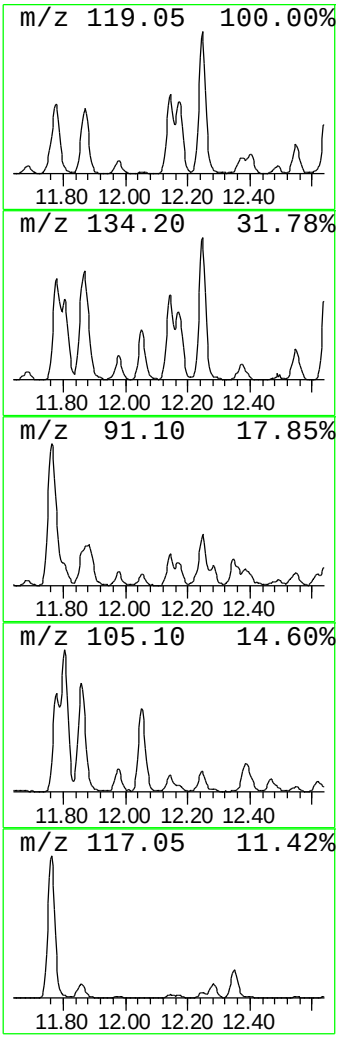
****

Peak Number 24 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	0.92 ug/L	207742	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-1,4-dimethyl-	134	C10H14	001758-88-9	94
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	p-Cymene	134	C10H14	000099-87-6	94





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Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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

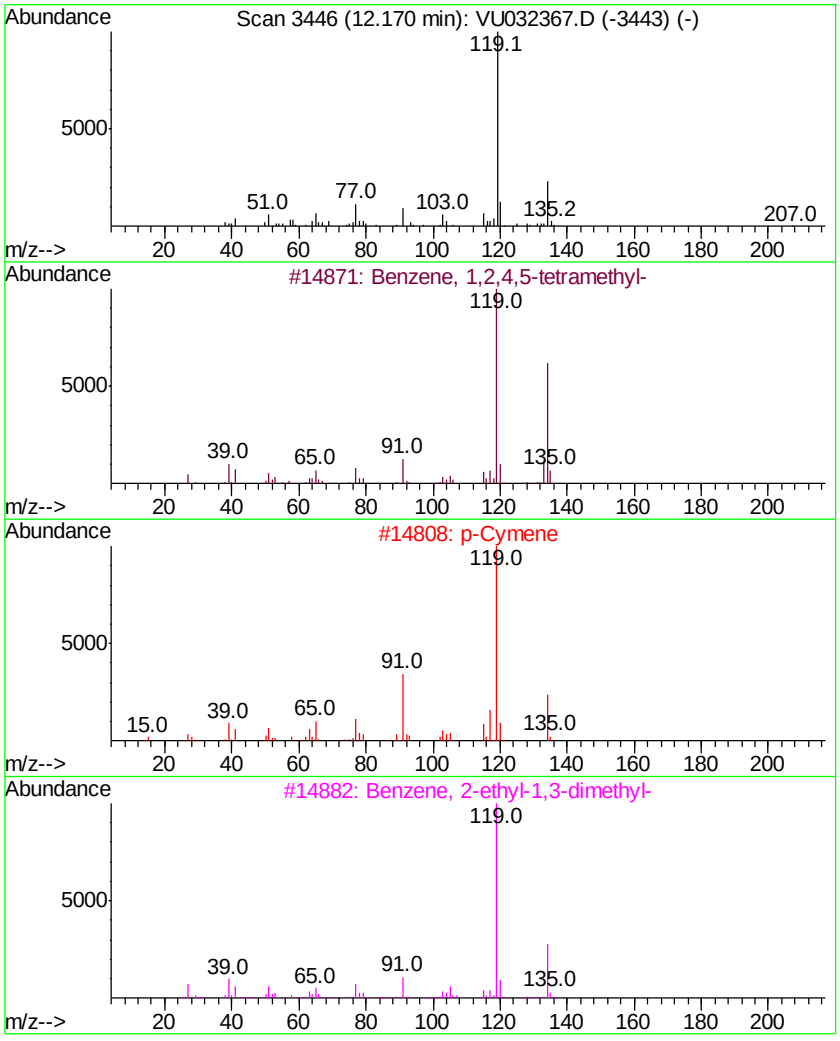
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

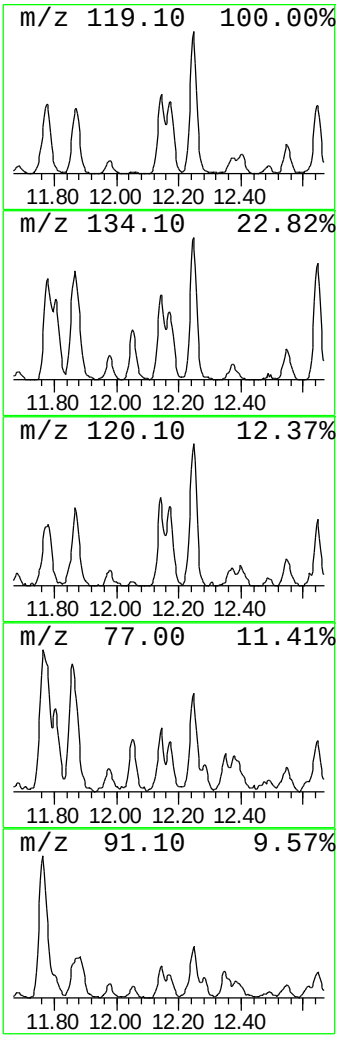
****

Peak Number 25 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	0.65 ug/L	147069	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	80
2	p-Cymene	134	C10H14	000099-87-6	80
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	72
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	72
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	72





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Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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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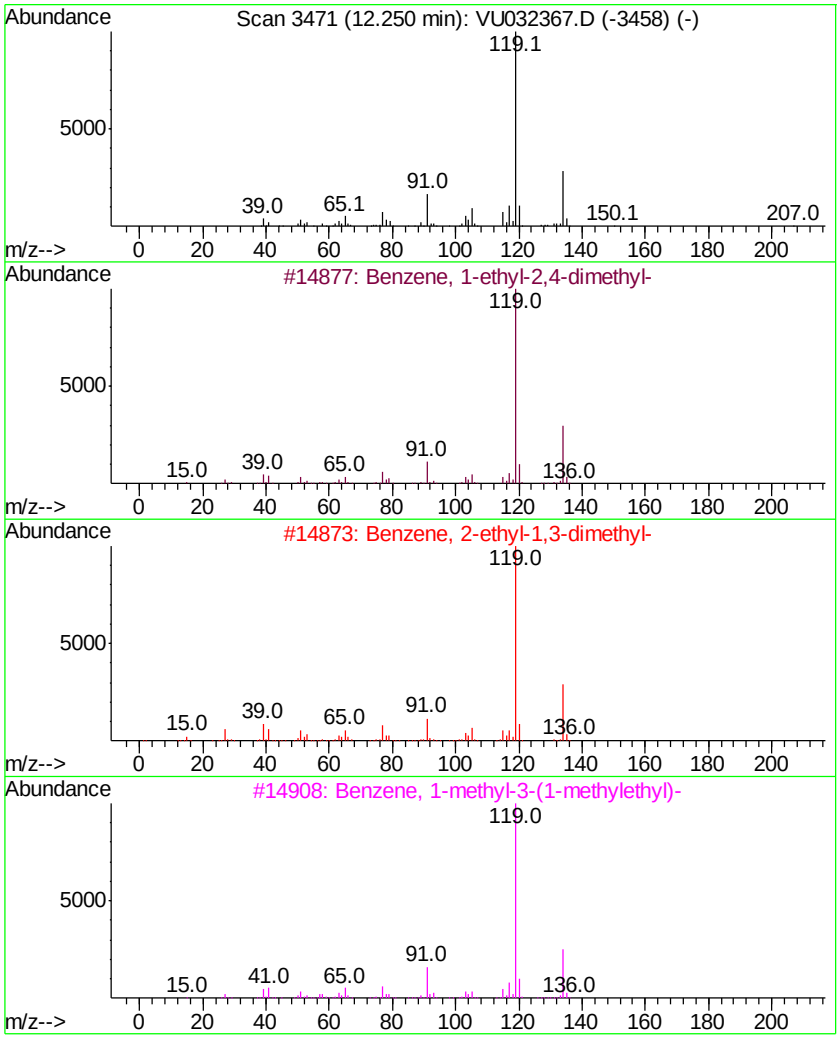
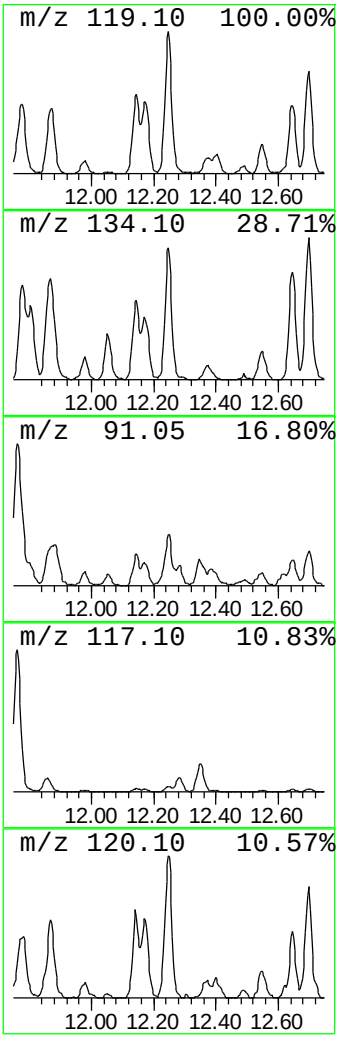
Peak Number 26 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	1.55 ug/L	351198	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	97
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5	p-Cymene	134	C10H14	000099-87-6	94





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Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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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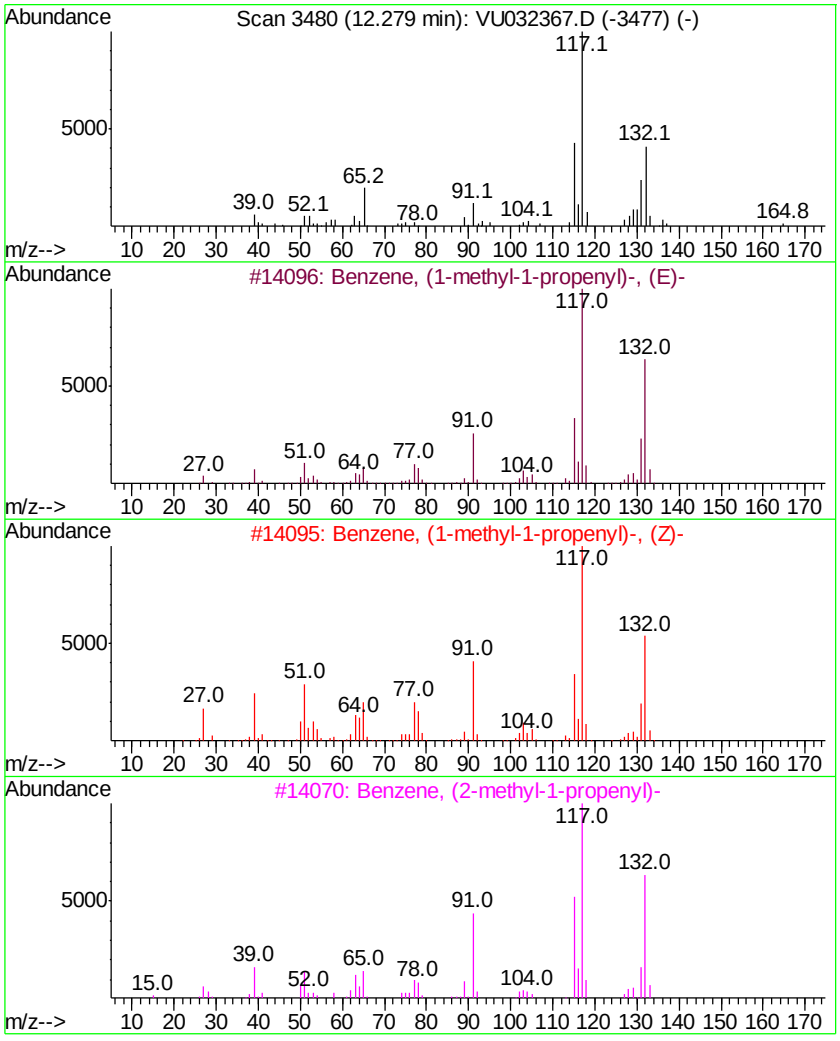
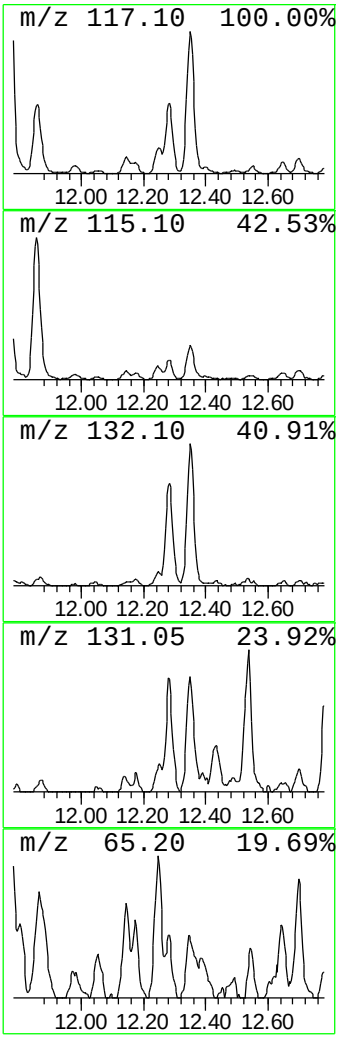
Peak Number 27 Benzene, (1-methyl-1-propen... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	0.56 ug/L	125887	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	91
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	86
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	80
5	Benzene, (1-methylenepropyl)-	132	C10H12	002039-93-2	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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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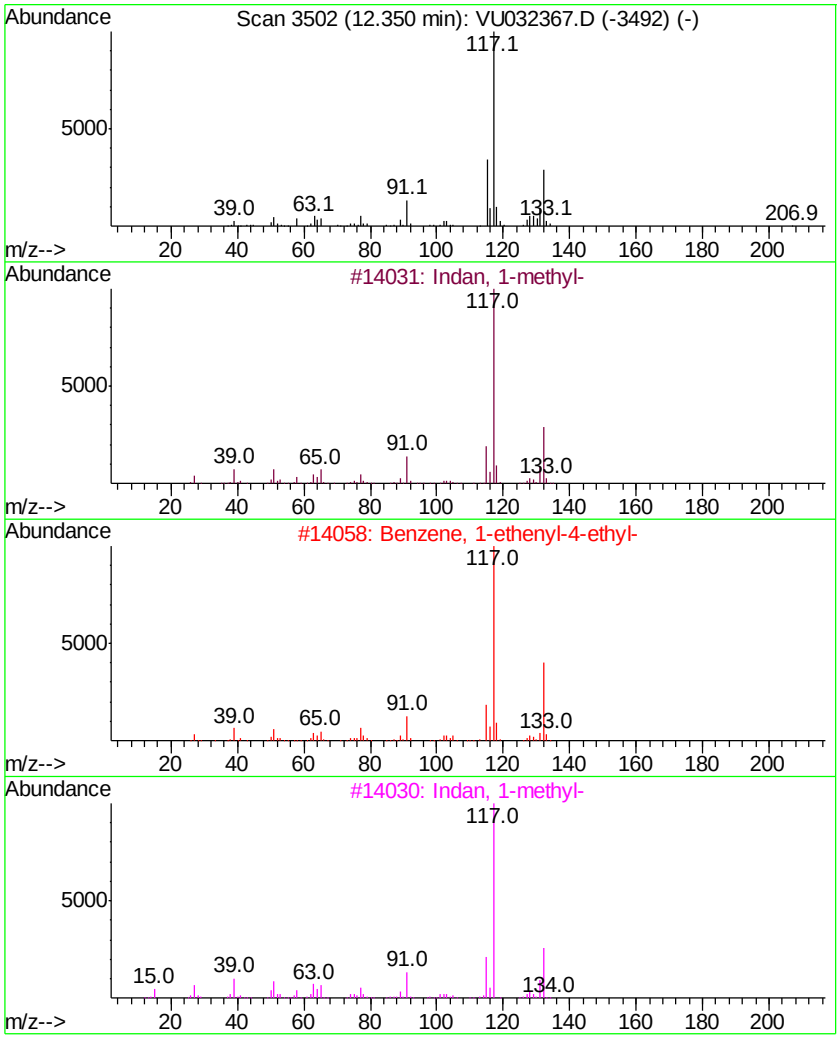
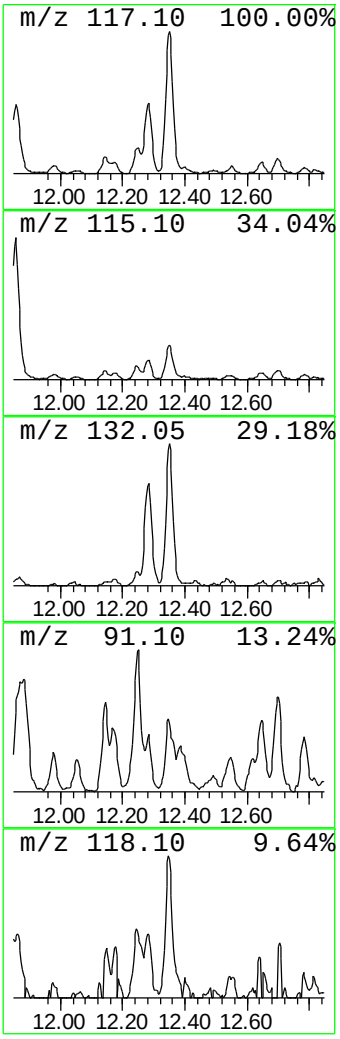
Peak Number 28 Indan, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	1.10 ug/L	247747	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-4-ethyl-	132	C10H12	003454-07-7	81
3	Indan, 1-methyl-	132	C10H12	000767-58-8	81
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	72
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU052919\
Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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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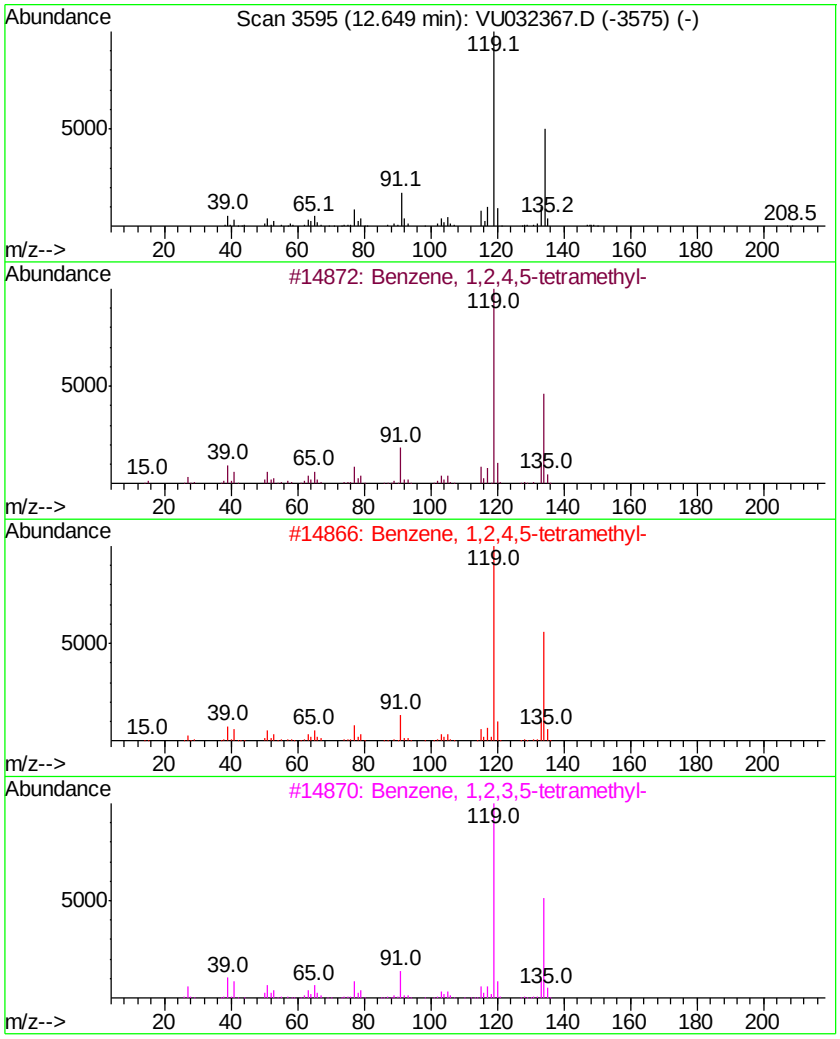
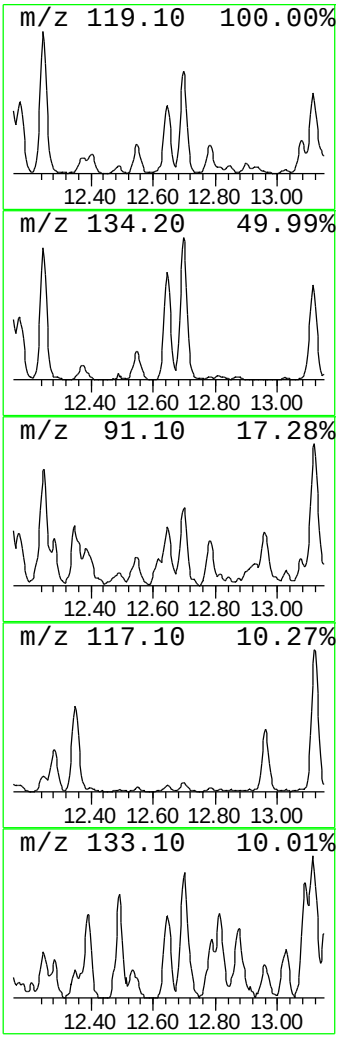
Peak Number 29 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	1.06 ug/L	239104	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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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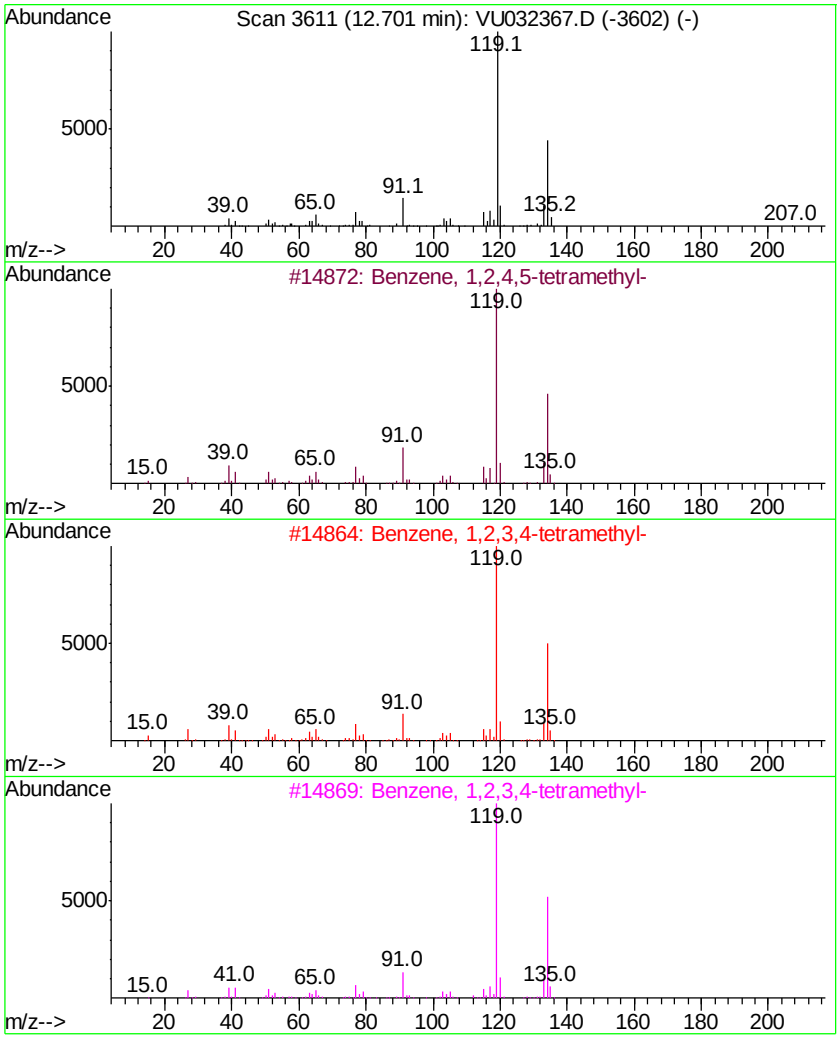
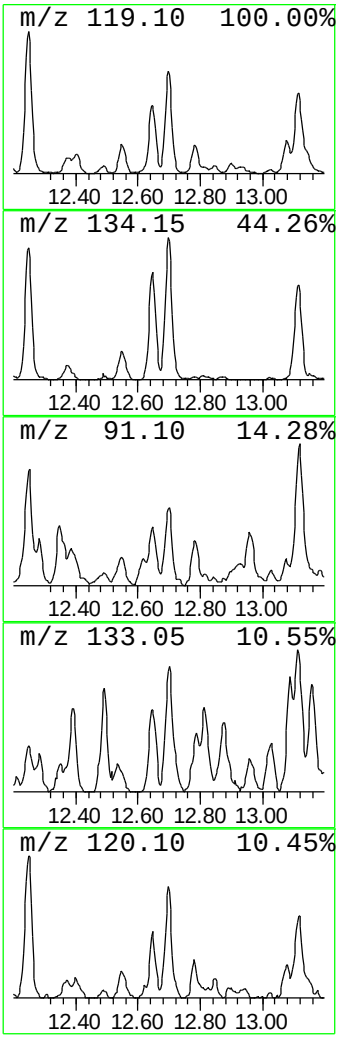
Peak Number 30 1,3-Cyclopentadiene, 1,2,3,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	1.25 ug/L	283656	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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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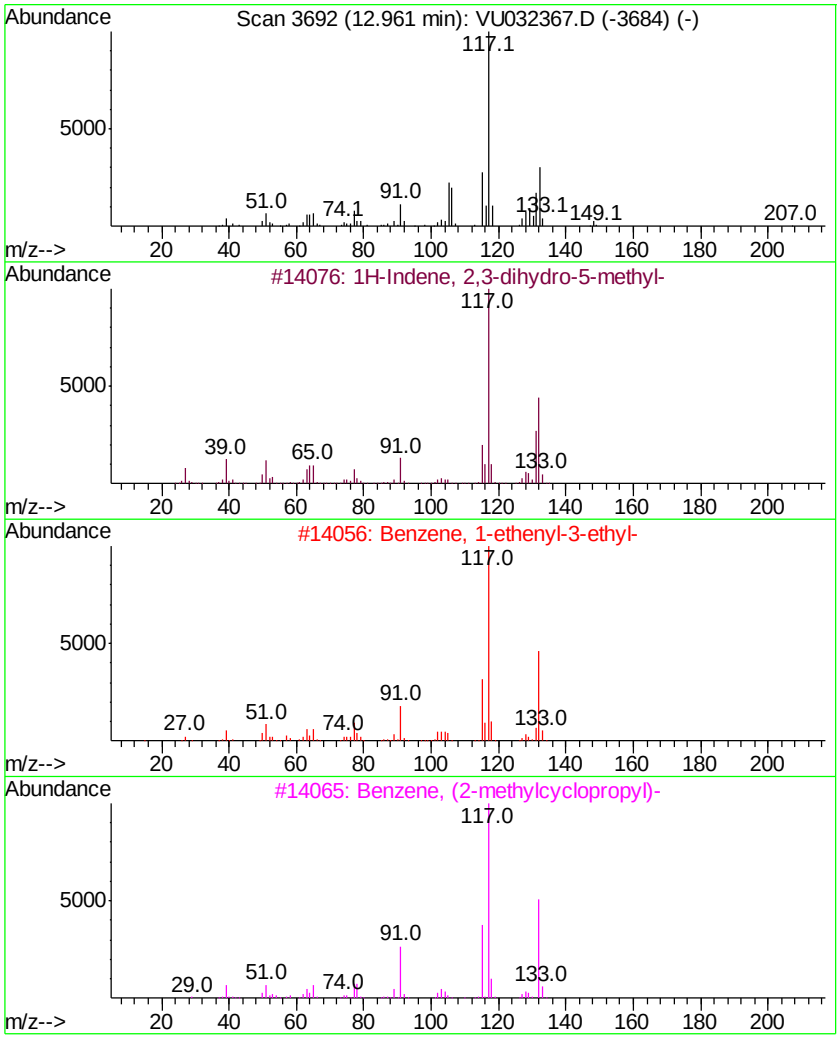
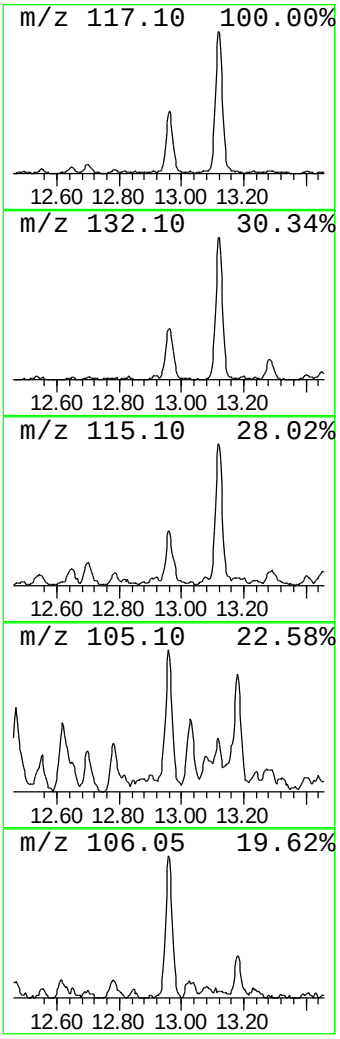
Peak Number 31 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	0.97 ug/L	219927	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	64
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	62
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	62





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Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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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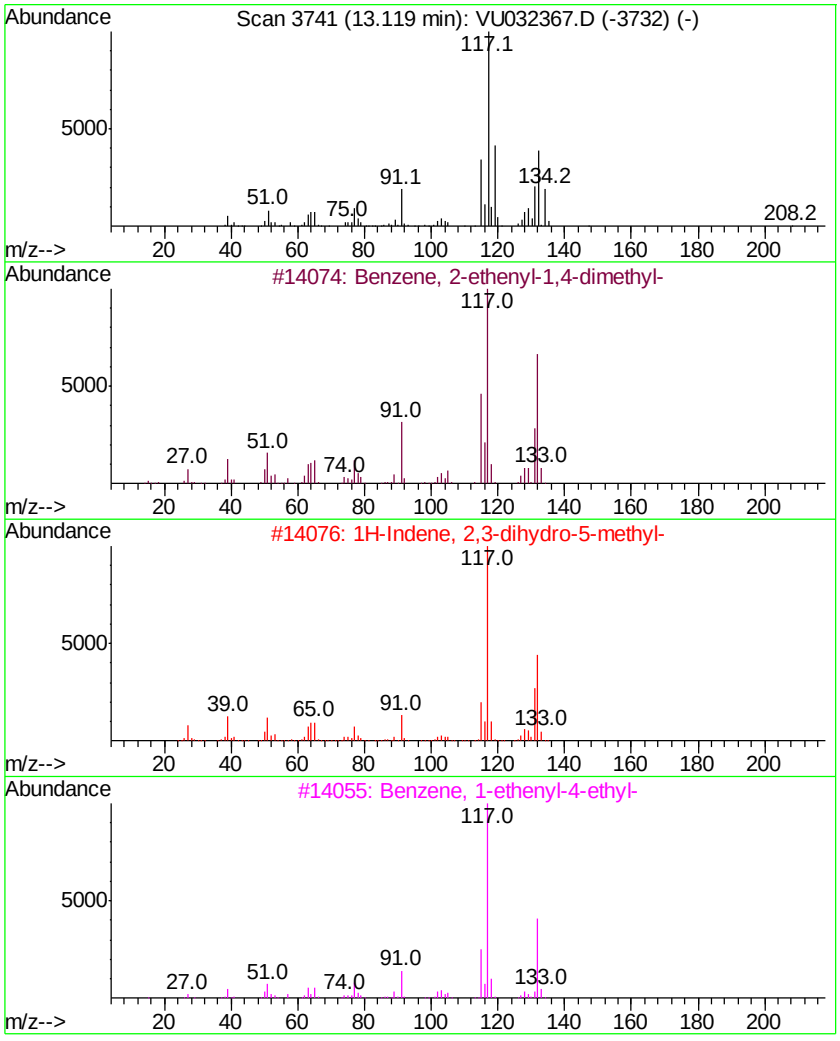
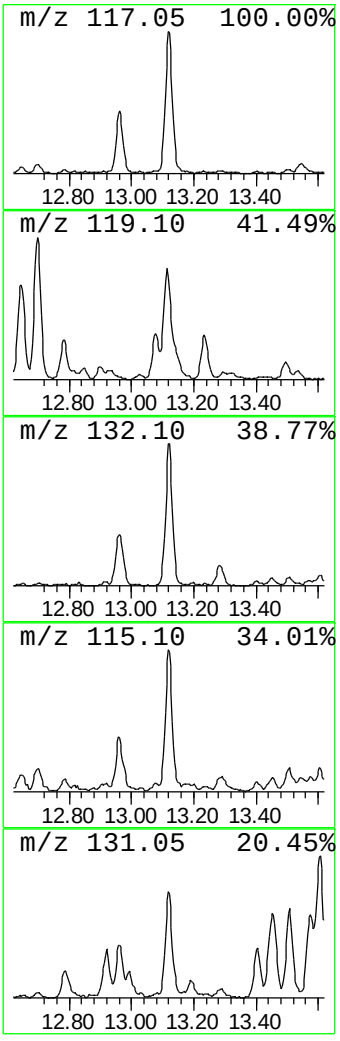
Peak Number 32 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.57 ug/L	580929	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	90
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	70
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	64
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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

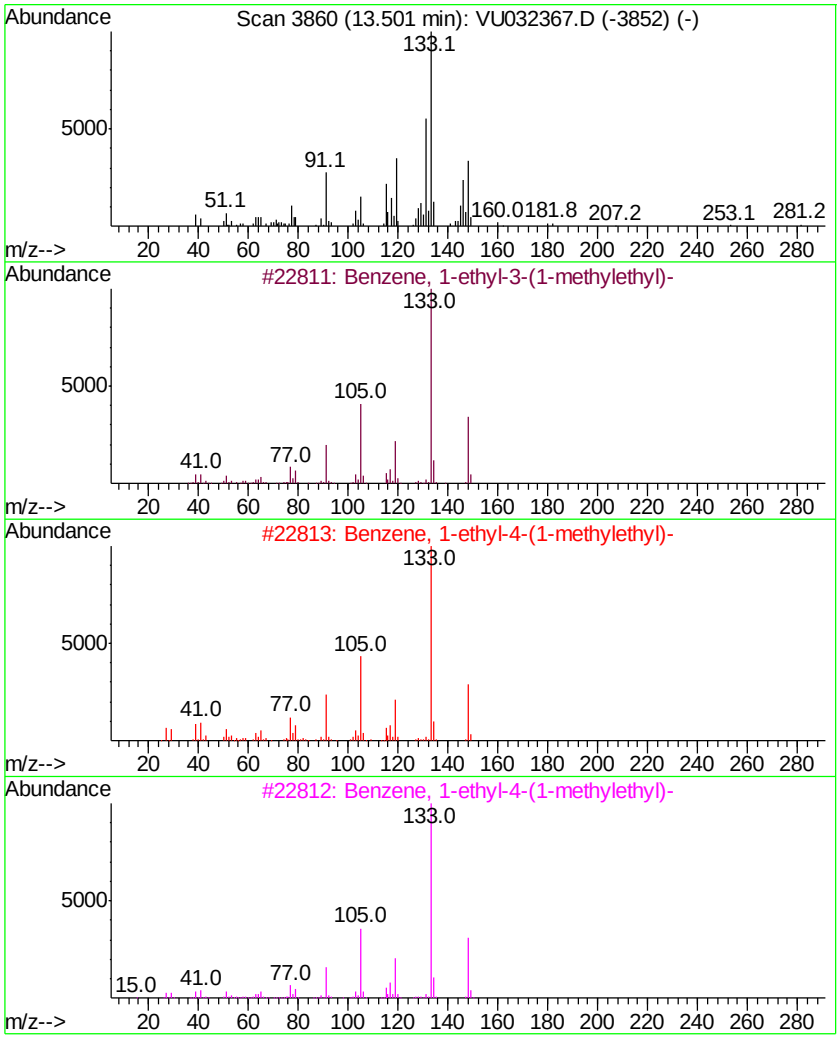
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

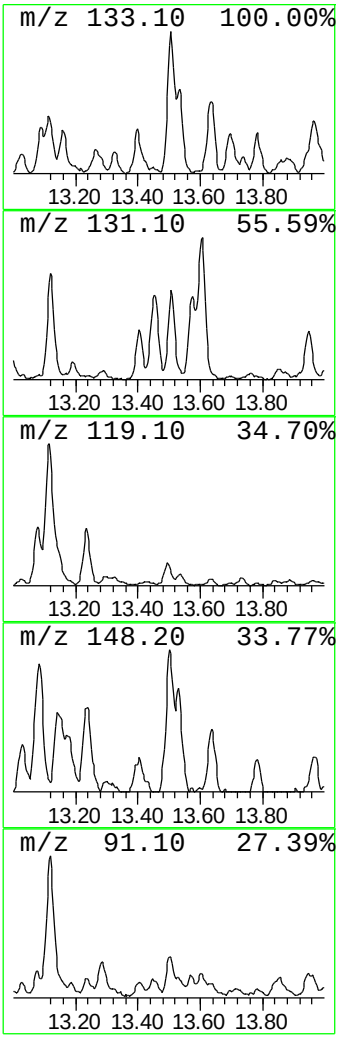
****

Peak Number 33 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	0.69 ug/L	155201	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	53
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	49
4	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	49
5	Benzene, pentamethyl-	148	C11H16	000700-12-9	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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

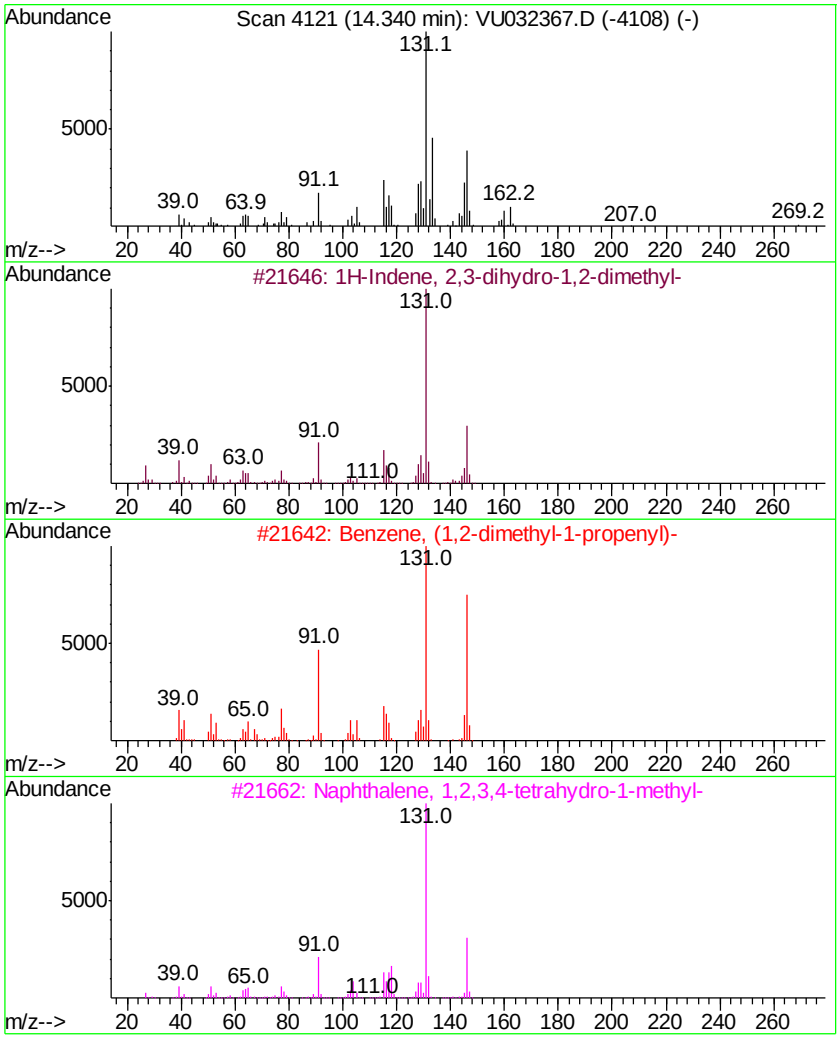
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

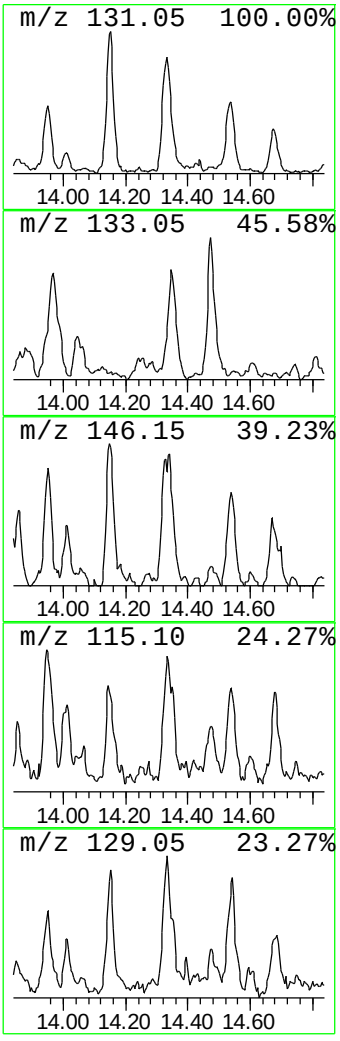
****

Peak Number 35 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	0.62 ug/L	140192	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	70
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	62
3	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	60
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	58
5	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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

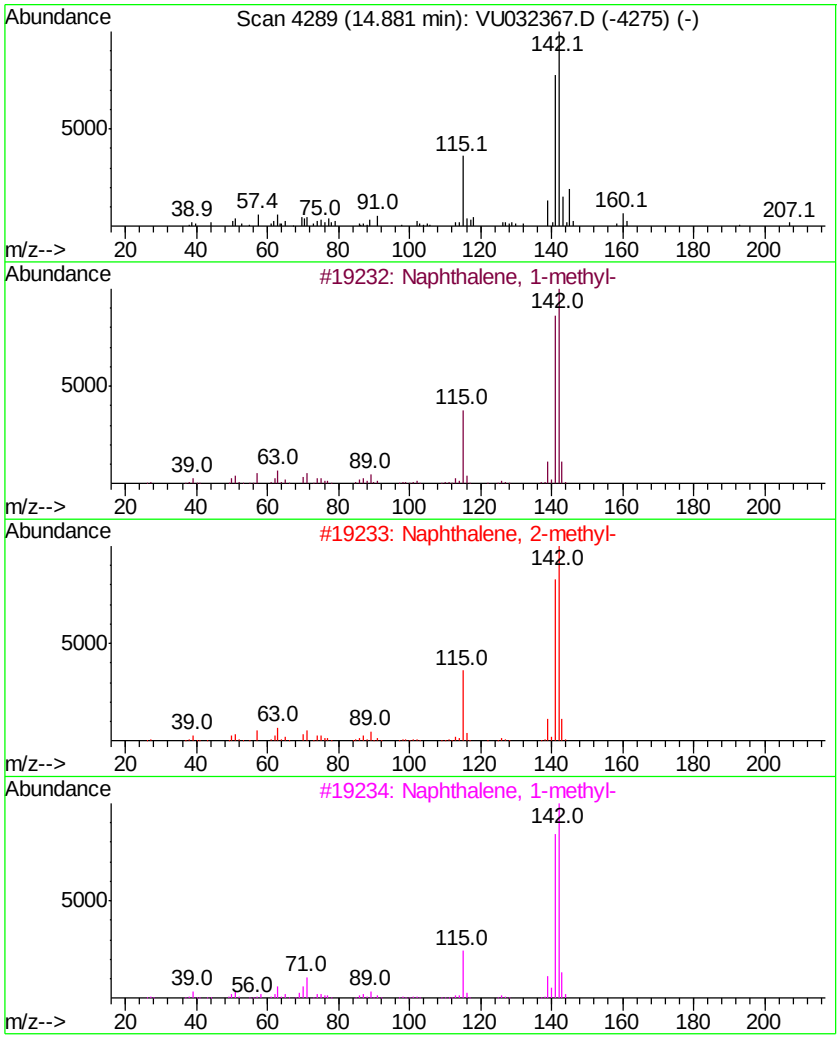
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

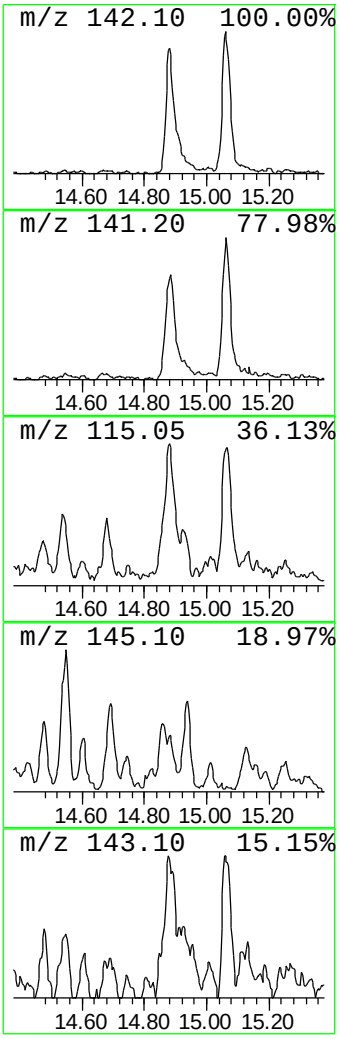
****

Peak Number 36 Naphthalene, 1-methyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	0.55 ug/L	125076	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU052919\
Data File : VU032367.D
Acq On : 29 May 2019 18:34
Operator : JC/SP
Sample : K3045-11 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : C0C55

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...	1.75	4.0	ug/L	730860	1	5.88	925632	5.0
(DEL) Alkane: Str...	1.94	1.0	ug/L	190010	1	5.88	925632	5.0
(DEL) Alkane: Str...	2.70	0.8	ug/L	156638	1	5.88	925632	5.0
1-Butanol, 2,3-di...	2.73	1.4	ug/L	266689	1	5.88	925632	5.0
(DEL) Alkane: Cyc...	2.78	1.0	ug/L	188330	1	5.88	925632	5.0
(DEL) Alkane: Str...	2.99	1.7	ug/L	311403	1	5.88	925632	5.0
(DEL) Alkane: Cyc...	4.08	2.5	ug/L	470614	1	5.88	925632	5.0
(DEL) Alkane: Str...	5.07	1.3	ug/L	241278	1	5.88	925632	5.0
(DEL) Alkane: Str...	5.21	1.6	ug/L	298408	1	5.88	925632	5.0
(DEL) Alkane: Cyc...	5.47	0.6	ug/L	109180	1	5.88	925632	5.0
(DEL) Alkane: Str...	6.92	0.7	ug/L	130048	1	5.88	925632	5.0
(DEL) Alkane: Str...	7.04	0.7	ug/L	135326	1	5.88	925632	5.0
Benzene, propyl-	10.58	2.0	ug/L	463074	3	11.48	1131230	5.0
Benzene, 1-ethyl-...	10.68	2.2	ug/L	493067	3	11.48	1131230	5.0
Benzene, 1,2,3-tr...	10.77	1.6	ug/L	354725	3	11.48	1131230	5.0
Indane	11.76	6.4	ug/L	1452290	3	11.48	1131230	5.0
Benzene, 1-methyl...	12.05	0.6	ug/L	132357	3	11.48	1131230	5.0
Benzene, 2-ethyl-...	12.14	0.9	ug/L	207742	3	11.48	1131230	5.0
Benzene, 1,2,4,5-...	12.17	0.7	ug/L	147069	3	11.48	1131230	5.0
Benzene, 1-ethyl-...	12.25	1.6	ug/L	351198	3	11.48	1131230	5.0
Benzene, (1-methy...	12.28	0.6	ug/L	125887	3	11.48	1131230	5.0
Indan, 1-methyl-	12.35	1.1	ug/L	247747	3	11.48	1131230	5.0
Benzene, 1,2,3,5-...	12.65	1.1	ug/L	239104	3	11.48	1131230	5.0
1,3-Cyclopentadie...	12.70	1.3	ug/L	283656	3	11.48	1131230	5.0
1H-Indene, 2,3-di...	12.96	1.0	ug/L	219927	3	11.48	1131230	5.0
Benzene, 2-etheny...	13.12	2.6	ug/L	580929	3	11.48	1131230	5.0
Benzene, 1-ethyl-...	13.50	0.7	ug/L	155201	3	11.48	1131230	5.0
1H-Indene, 2,3-di...	14.34	0.6	ug/L	140192	3	11.48	1131230	5.0
Naphthalene, 1-me...	14.88	0.6	ug/L	125076	3	11.48	1131230	5.0