LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.286	51	61	66	rBV5	13720	26600	0.67%	0.044%
2	1.396	87	95	112	rVB	252156	361112	9.06%	0.591%
3	1.621	158	165	167	rBV	129622	125693	3.15%	0.206%
4	1.640	167	171	188	rVB	173700	256752	6.44%	0.420%
5	2.151	315	330	338	rVV2	22119	50075	1.26%	0.082%
6	2.225	342	353	369	rVV	563772	892161	22.39%	1.459%
7	2.826	527	540	555	rBV	39874	91425	2.29%	0.150%
8	4.193	953	965	1007	rBV	168674	620104	15.56%	1.014%
9	4.640	1085	1104	1136	rBV	396390	1014693	25.46%	1.660%
10	5.325	1295	1317	1347	rBV2	912283	2625301	65.88%	4.294%
11	5.878	1474	1489	1526	rBV	764631	1698245	42.62%	2.778%
12	6.325	1612	1628	1645	rBV	535362	1164152	29.21%	1.904%
13	6.894	1791	1805	1807	rBV8	17849	26298	0.66%	0.043%
14	7.058	1841	1856	1864	rBV9	9134	24191	0.61%	0.040%
15	7.174	1883	1892	1897	rVV2	22630	34358	0.86%	0.056%
16	7.225	1897	1908	1933	rVB	278648	571194	14.33%	0.934%
17	7.334	1934	1942	1951	rBV5	16567	28639	0.72%	0.047%
18	7.424	1960	1970	1982	rVB7	17349	36630	0.92%	0.060%
19	7.559	2002	2012	2034	rVB	1118173	2079279	52.18%	3.401%
20	7.698	2047	2055	2062	rBV6	26036	44484	1.12%	0.073%
21	7.765	2072	2076	2085	rVB5	28291	39589	0.99%	0.065%
22	7.817	2085	2092	2093	rBV2	27392	26449	0.66%	0.043%
23	7.849	2094	2102	2114	rVV3	181016	361552	9.07%	0.591%
24	7.910	2114	2121	2138	rVB3	100129	196081	4.92%	0.321%
25	8.038	2150	2161	2169	rBV3	43305	75924	1.91%	0.124%
26	8.090	2170	2177	2186	rBV4	31106	54626	1.37%	0.089%
27	8.222	2209	2218	2227	rVB2	28183	42874	1.08%	0.070%
28	8.325	2238	2250	2265	rBV	925744	1740836	43.69%	2.848%
29	8.453	2284	2290	2292	rBV2	27875	33997	0.85%	0.056%
30	8.540	2307	2317	2325	rBV2	124535	202371	5.08%	0.331%
31	8.601	2326	2336	2346	rBV	237309	415810	10.43%	0.680%
32	8.752	2371	2383	2393	rBV5	112046	231454	5.81%	0.379%
33	8.813	2393	2402	2405	rVV3	58690	88459	2.22%	0.145%
34	8.842	2405	2411	2422	rVV2	116794	236468	5.93%	0.387%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Title : VOC Analysis

35	8.903	2423	2430	2440	rVB2	174443	273174	6.86%	0.447%
36	8.955	2440	2446	2455	rVB7	25847	40795	1.02%	0.067%
37	9.026	2456	2468	2478	rBV	307930	507464	12.73%	0.830%
38	9.090	2478	2488	2501	rBV	1202998	2105129	52.83%	3.443%
39	9.247	2527	2537	2551	rVB4	115583	233380	5.86%	0.382%
40	9.379	2557	2578	2581	rBV6	251719	685333	17.20%	1.121%
41	9.444	2591	2598	2620	rVB4	222764	559230	14.03%	0.915%
42	9.566	2624	2636	2651	rBV6	110998	265057	6.65%	0.434%
43	9.649	2654	2662	2668	rBV5	48589	78083	1.96%	0.128%
44	9.714	2669	2682	2698	rBV4	339807	756141	18.98%	1.237%
45	9.781	2699	2703	2705	rBV	43483	38932	0.98%	0.064%
46	9.948	2737	2755	2765	rBV2	921032	1754976	44.04%	2.871%
47	10.042	2775	2784	2793	rBV4	450278	807832	20.27%	1.321%
48	10.164	2813	2822	2829	rBV6	150460	282290	7.08%	0.462%
49	10.212	2831	2837	2844	rBV7	106895	175748	4.41%	0.287%
50	10.251	2845	2849	2857	rVB3	181093	223917	5.62%	0.366%
51	10.318	2857	2870	2876	rBV4	501110	988078	24.80%	1.616%
52	10.434	2895	2906	2917	rBV2	1039359	2338975	58.70%	3.826%
53	10.585	2947	2953	2960	rBV	198371	263312	6.61%	0.431%
54	10.694	2977	2987	2988	rBV5	213326	303793	7.62%	0.497%
55	10.749	2996	3004	3015	rBV4	438386	874540	21.95%	1.431%
56	10.810	3016	3023	3035	rVB4	608591	1021736	25.64%	1.671%
57	10.971	3065	3073	3081	rBV3	375294	620901	15.58%	1.016%
58	11.064	3096	3102	3109	rBV4	151152	232493	5.83%	0.380%
59	11.112	3109	3117	3122	rVV	596856	891954	22.38%	1.459%
60	11.148	3123	3128	3156	rVB	547924	1241768	31.16%	2.031%
61	11.273	3161	3167	3169	rBV5	96446	110878	2.78%	0.181%
62	11.331	3178	3185	3194	rVB4	367665	627996	15.76%	1.027%
63	11.395	3195	3205	3212	rBV2	540188	918049	23.04%	1.502%
64	11.482	3223	3232	3241	rBV	1545292	2402583	60.29%	3.930%
65	11.569	3252	3259	3266	rBV	759657	996175	25.00%	1.629%
66	11.607	3266	3271	3281	rVB3	258951	356845	8.96%	0.584%
67	11.662	3283	3288	3293	rBV7	89055	108245	2.72%	0.177%
68	11.697	3294	3299	3310	rVB2	254922	361329	9.07%	0.591%
69	11.775	3312	3323	3330	rBV3	586104	1170551	29.38%	1.915%
70	11.858	3340	3349	3367	rVB4	2029226	3984852	100.00%	6.518%
71	12.019	3392	3399	3406	rBV2	845598	1085920	27.25%	1.776%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053019\
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Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Title : VOC Analysis

72	12.144	3431	3438	3442	rBV	214807	296201	7.43%	0.485%
73	12.177	3443	3448	3456	rVB2	289563	398551	10.00%	0.652%
74	12.247	3461	3470	3478	rVB	699091	1047193	26.28%	1.713%
75	12.353	3494	3503	3511	rBV	814228	1364204	34.23%	2.231%
76	12.546	3558	3563	3573	rVB3	279577	440587	11.06%	0.721%
77	12.607	3574	3582	3587	rBV3	366748	565821	14.20%	0.926%
78	12.646	3588	3594	3603	rVB2	477636	743487	18.66%	1.216%
79	12.701	3603	3611	3629	rVB4	386324	982016	24.64%	1.606%
80	12.784	3629	3637	3644	rBV2	281864	458613	11.51%	0.750%
81	12.874	3661	3665	3676	rVB2	77573	95369	2.39%	0.156%
82	12.961	3684	3692	3707	rVB	489107	792476	19.89%	1.296%
83	13.029	3708	3713	3721	rVB2	116835	163109	4.09%	0.267%
84	13.119	3724	3741	3757	rBV2	1933745	3438364	86.29%	5.624%
85	13.231	3773	3776	3782	rVV	59958	61468	1.54%	0.101%
86	13.283	3783	3792	3815	rVB6	364139	950411	23.85%	1.555%
87	13.405	3823	3830	3836	rBV3	113885	152402	3.82%	0.249%
88	13.453	3837	3845	3853	rVB	328302	500768	12.57%	0.819%
89	13.504	3854	3861	3868	rBV3	225251	347162	8.71%	0.568%
90	13.604	3887	3892	3899	rVB	216916	247053	6.20%	0.404%
91	13.739	3924	3934	3943	rVB	739657	1158109	29.06%	1.894%
92	13.951	3993	4000	4010	rBV5	87112	155841	3.91%	0.255%
93	14.009	4013	4018	4027	rVB5	85677	126855	3.18%	0.208%
94	14.144	4050	4060	4076	rVB3	148253	306353	7.69%	0.501%
95	14.331	4110	4118	4130	rBV3	121147	236490	5.93%	0.387%
96	14.540	4176	4183	4195	rVB5	71262	137720	3.46%	0.225%
97	14.604	4198	4203	4215	rVB5	15839	28143	0.71%	0.046%
98	14.684	4220	4228	4237	rVB7	27151	51022	1.28%	0.083%
99	14.877	4278	4288	4322	rVB	220805	485739	12.19%	0.795%
100	15.061	4335	4345	4361	rBV	96945	196258	4.93%	0.321%

Sum of corrected areas: 61134115

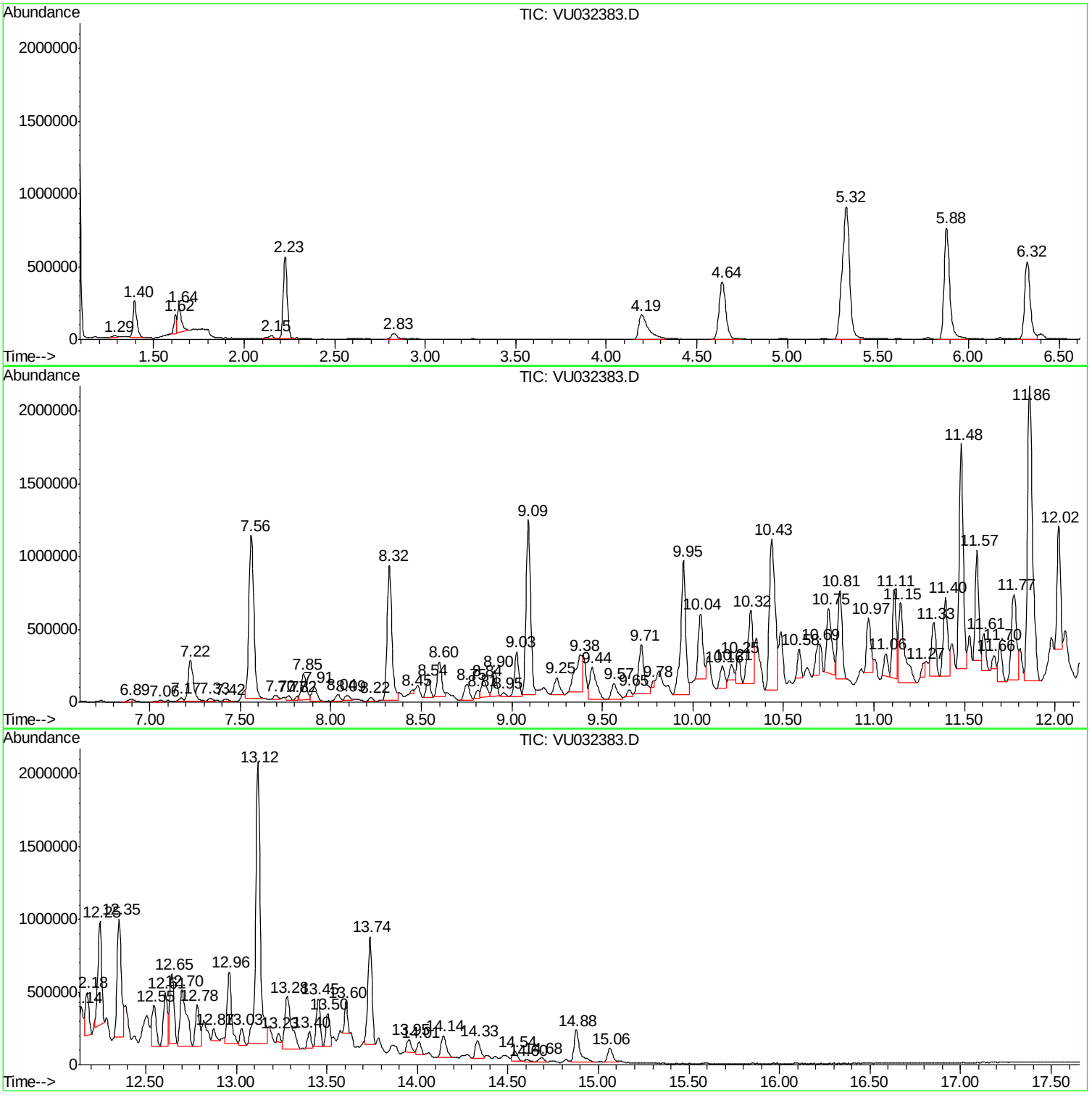
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

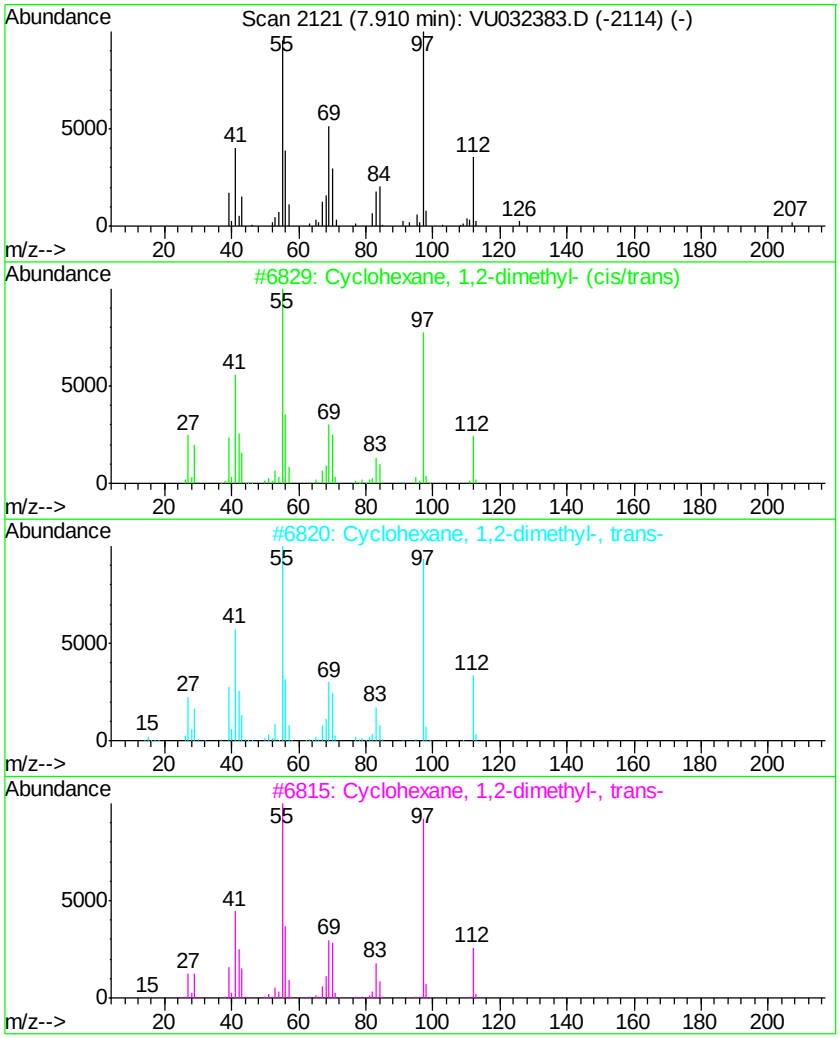
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

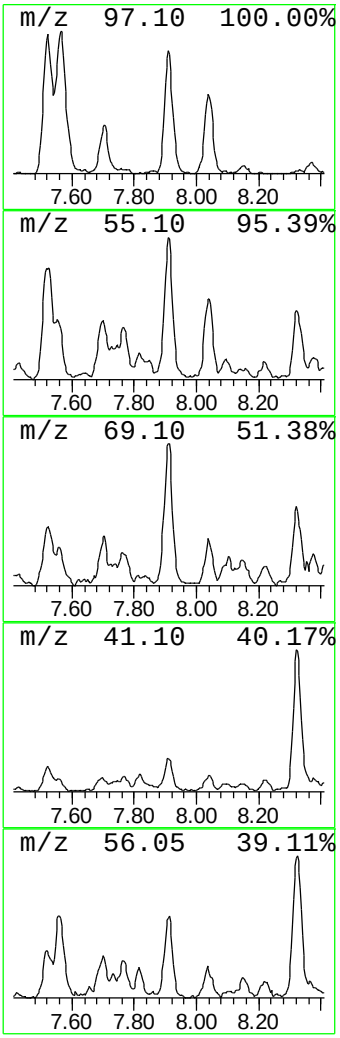
****

Peak Number 3 (DEL) Alkane: Cyclic7.91 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.91	4.66 ug/L	196081	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
2	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87
3	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	87
4	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87
5	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

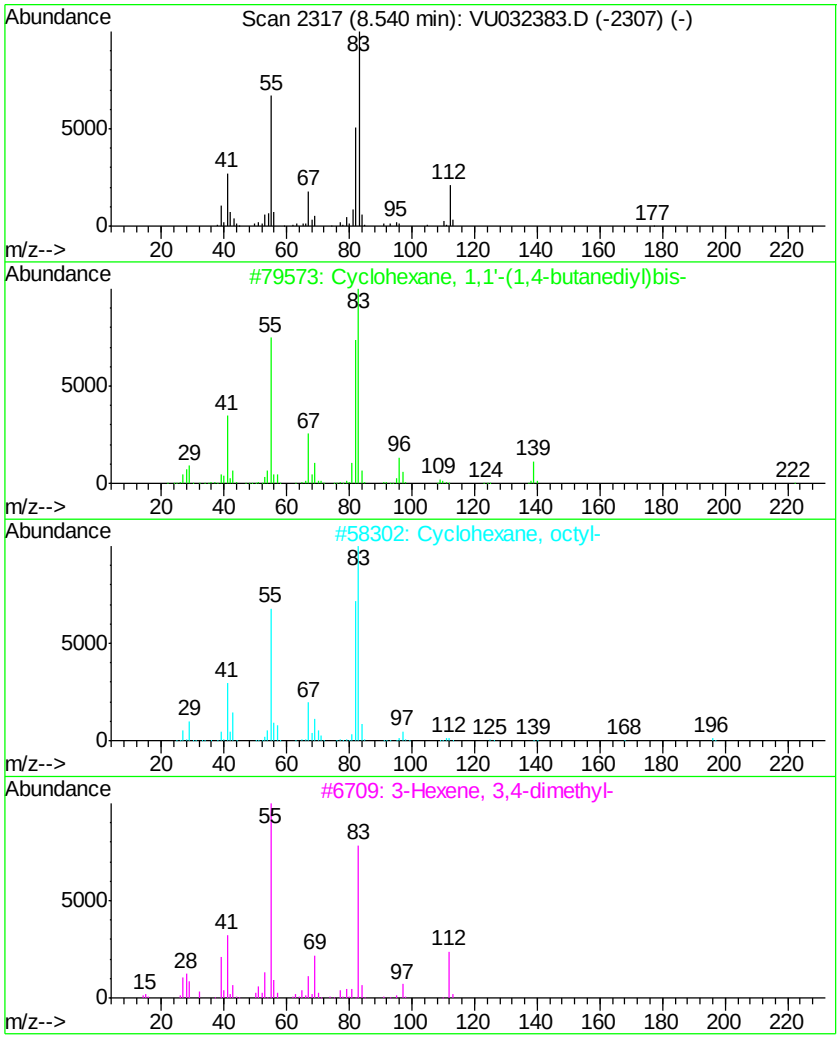
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

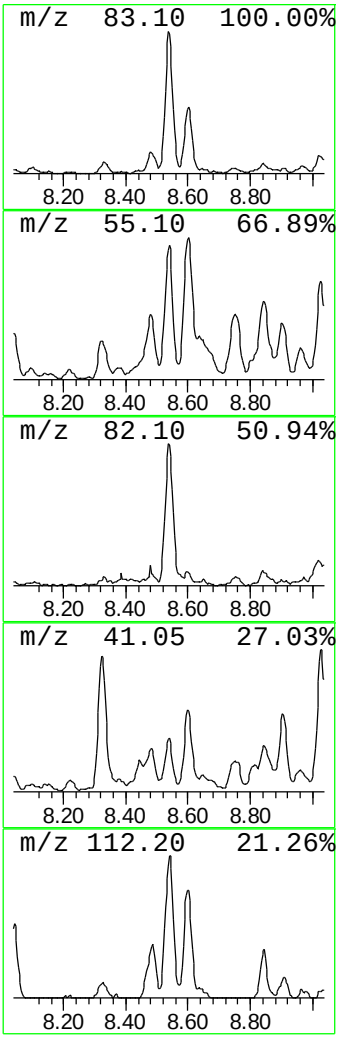
****

Peak Number 4 Cyclohexane, 1,1'-(1,4-buta... Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	4.81 ug/L	202371	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	72
2	Cyclohexane, octyl-	196	C14H28	001795-15-9	72
3	3-Hexene, 3,4-dimethyl-	112	C8H16	030951-95-2	64
4	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	64
5	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

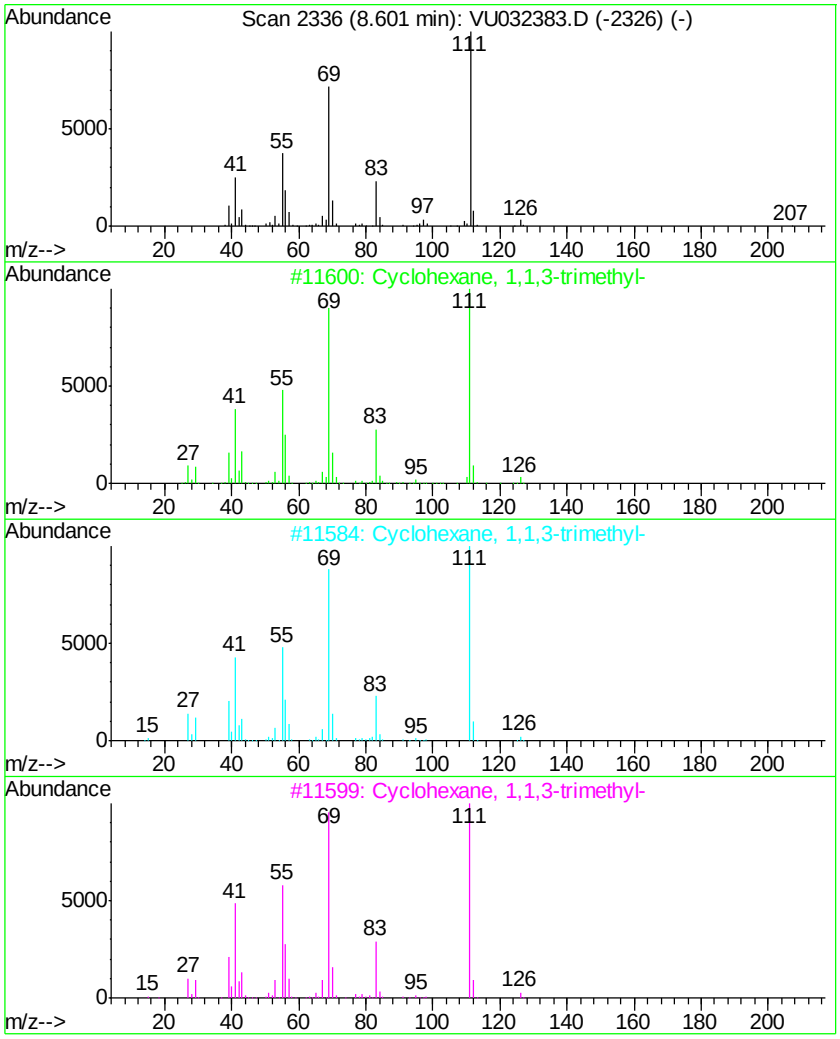
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

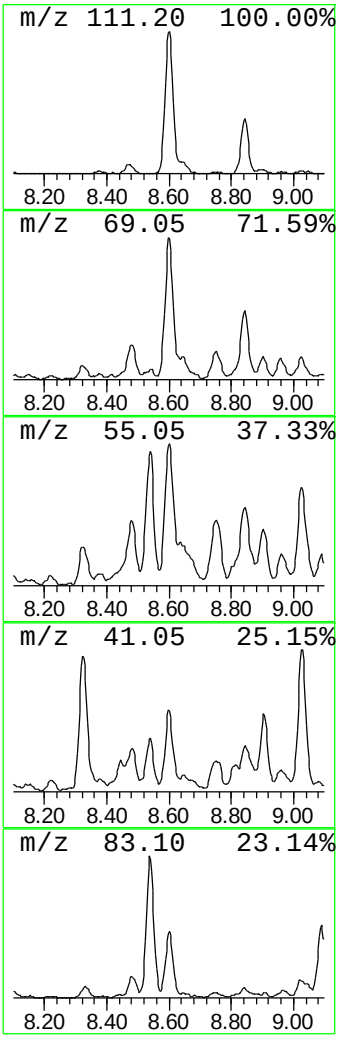
****

Peak Number 5 (DEL) Alkane: Cyclic8.60 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	9.88 ug/L	415810	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	90
5	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

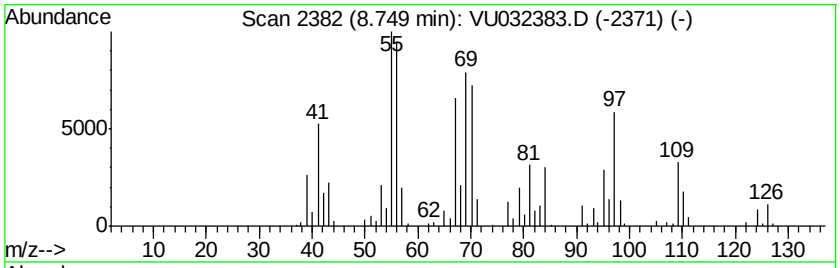
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

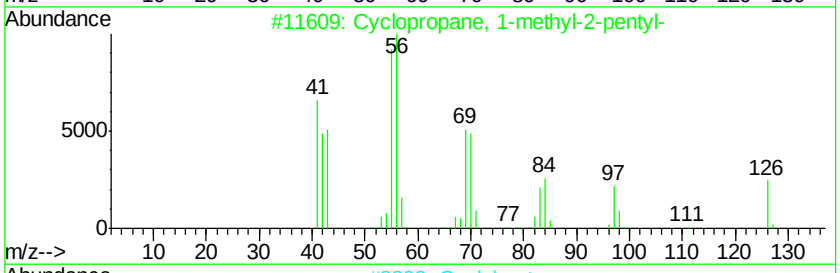
****

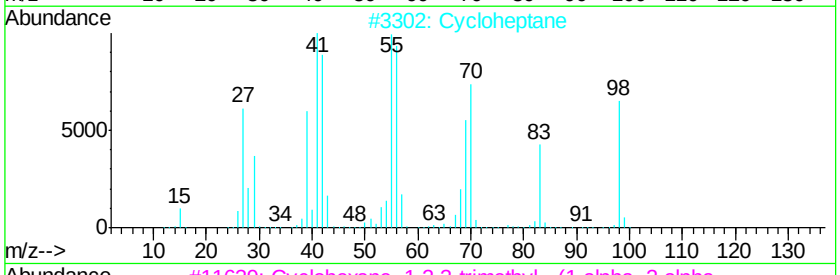
Peak Number 6 (DEL) Alkane: Cyclic8.75 Concentration Rank 42

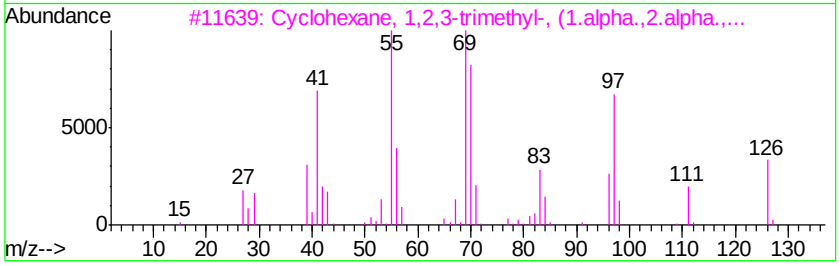
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	5.50 ug/L	231454	Chlorobenzene-d5	9.09

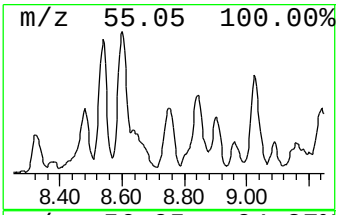
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-methyl-2-pentyl-	126	C9H18	041977-37-1	70
2	Cycloheptane	98	C7H14	000291-64-5	55
3	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	43
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	38
5	Pentane, 2-cyclopropyl-	112	C8H16	005458-16-2	38

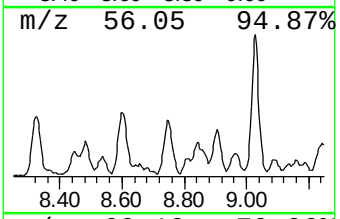


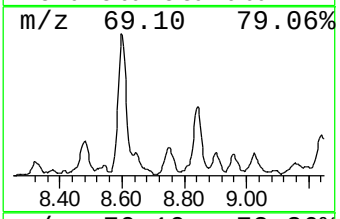


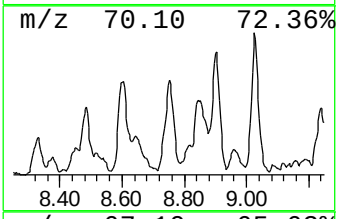


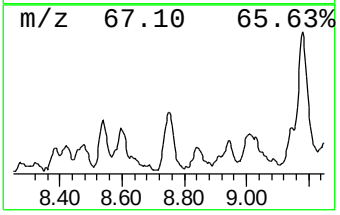












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

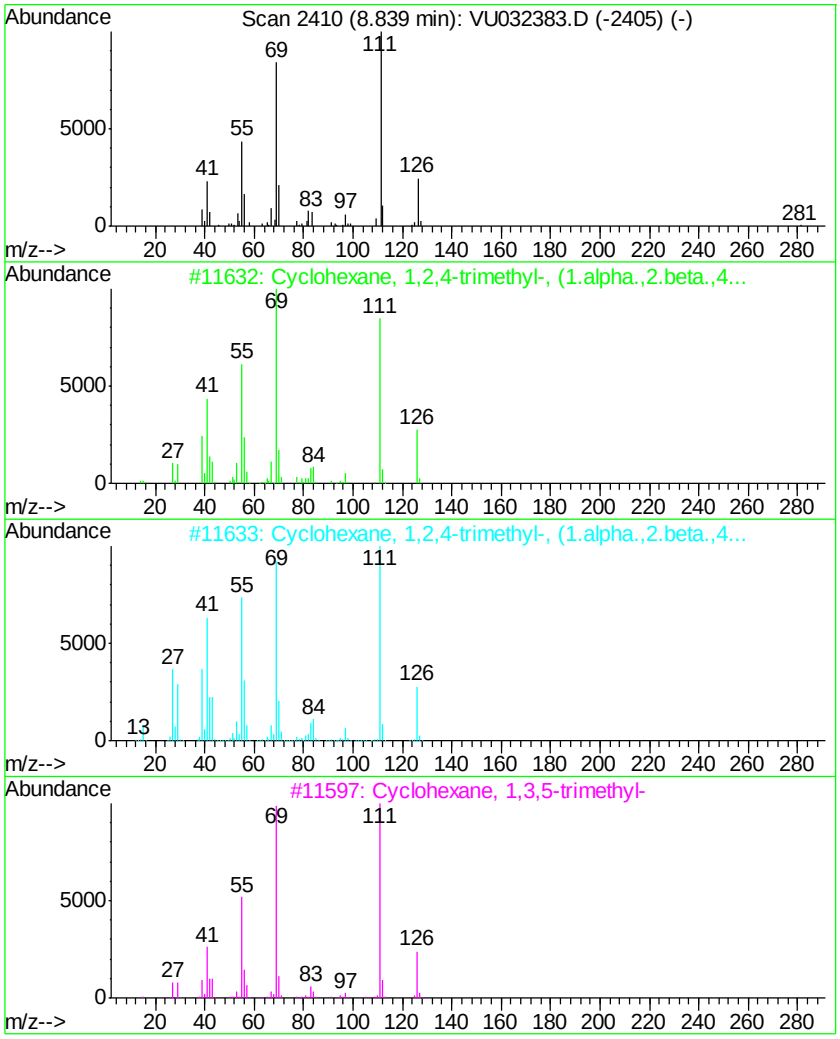
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

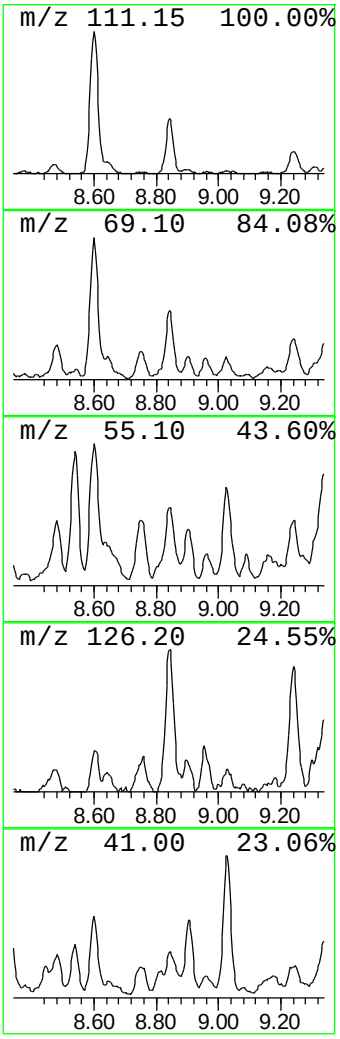
****

Peak Number 7 (DEL) Alkane: Cyclic8.84 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	5.62 ug/L	236468	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	90
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	90
3	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

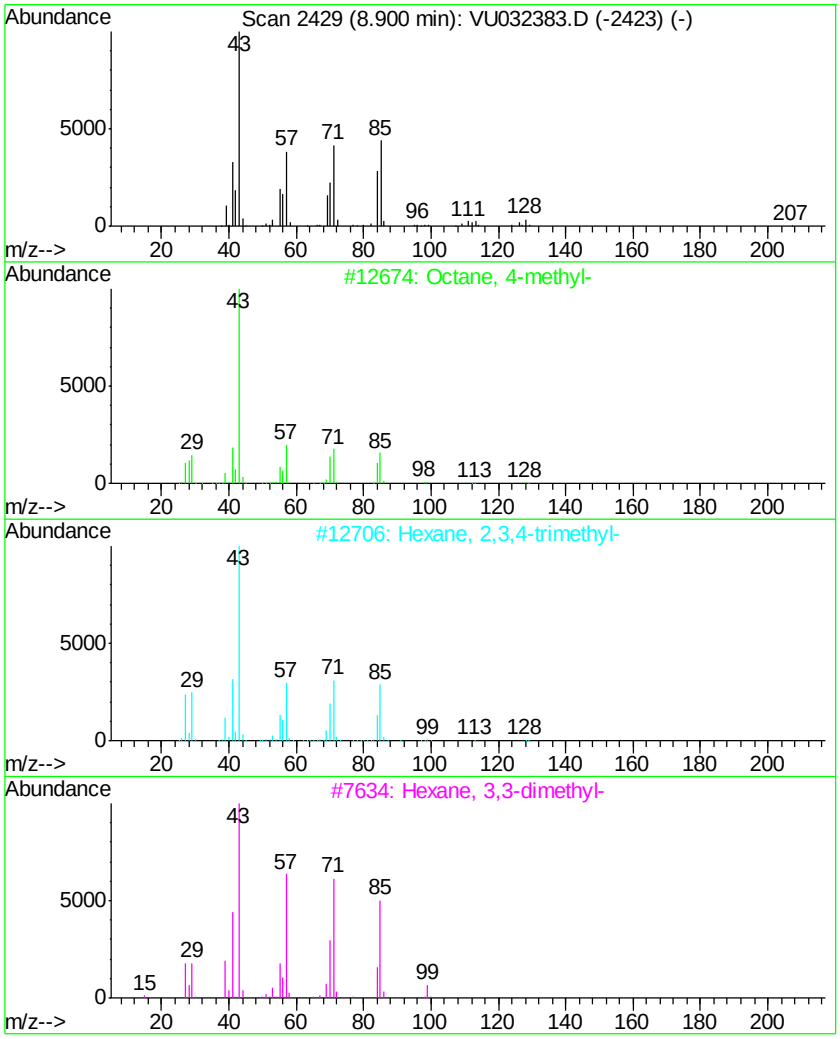
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

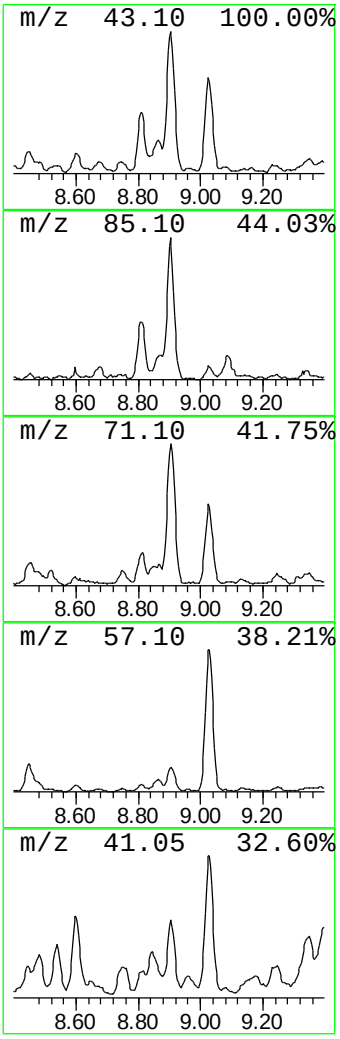
****

Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	6.49 ug/L	273174	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	68
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
4	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	53
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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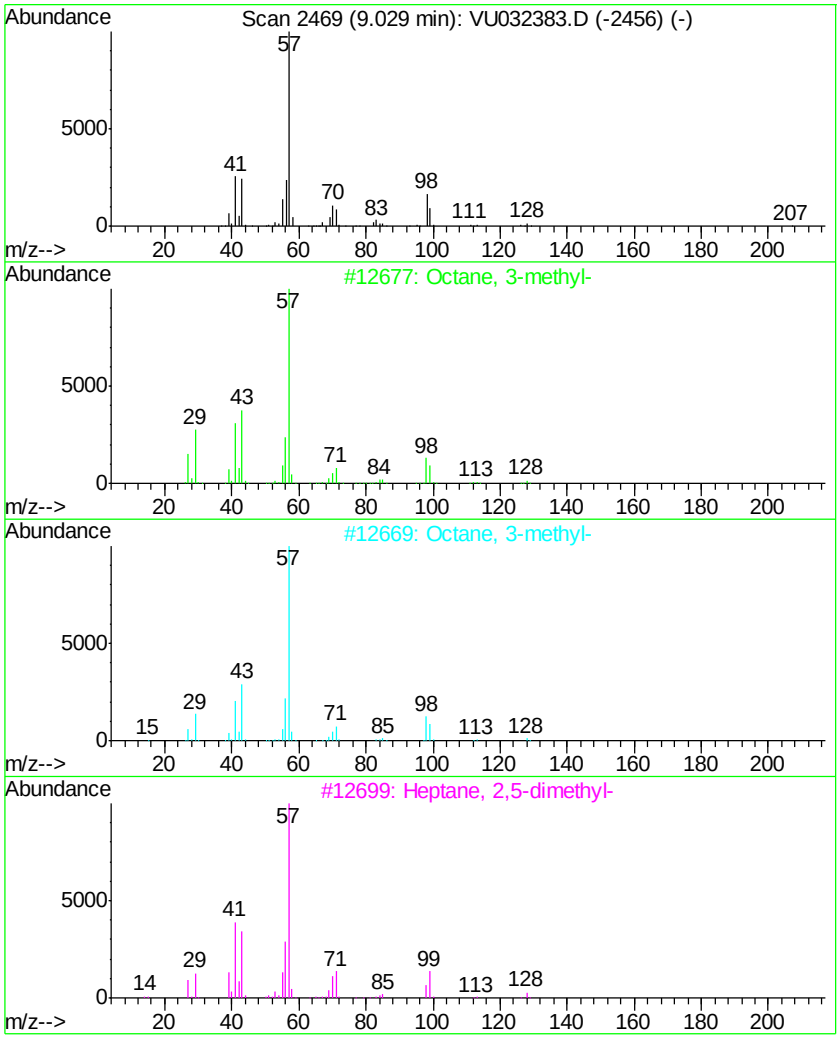
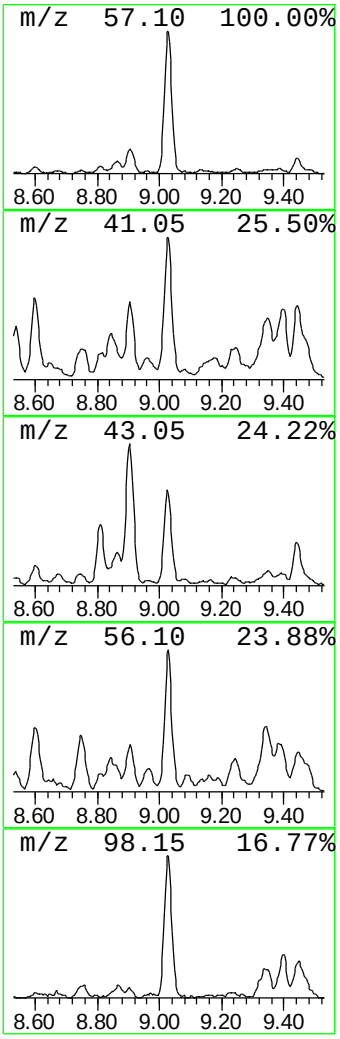
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.03	12.05 ug/L	507464	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	87
2	Octane, 3-methyl-	128	C9H20	002216-33-3	80
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	74
4	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	59
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	59





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Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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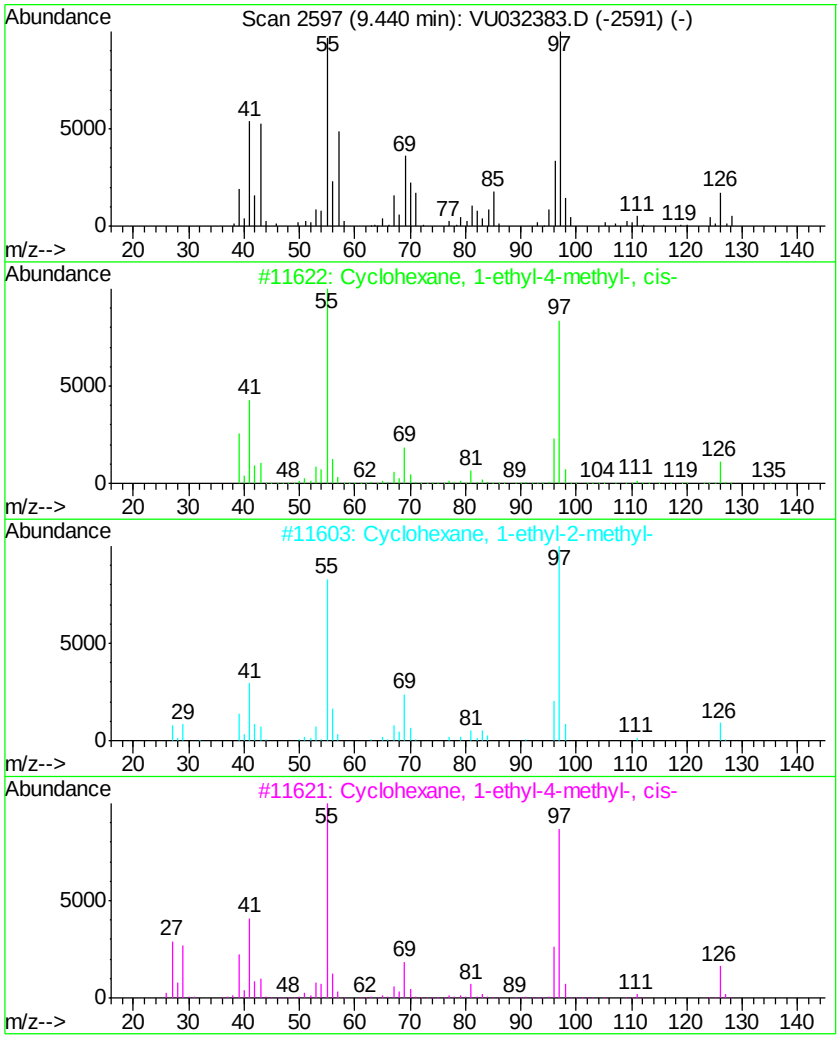
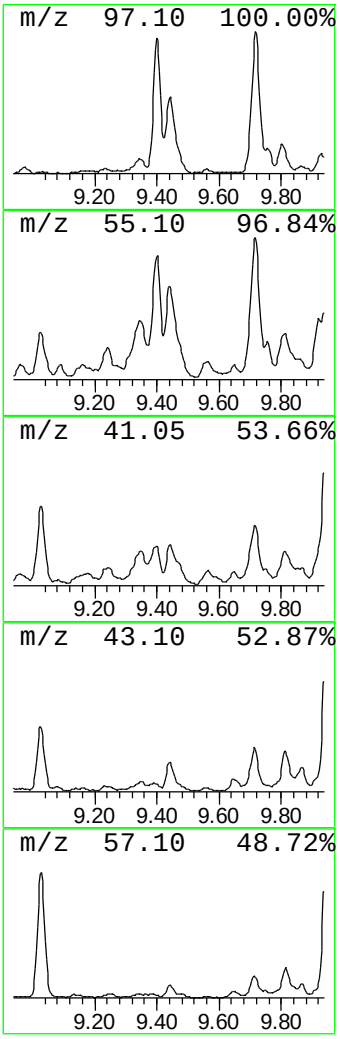
Peak Number 10 (DEL) Alkane: Cyclic9.44 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	13.28 ug/L	559230	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	58
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	52
3	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	52
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	49
5	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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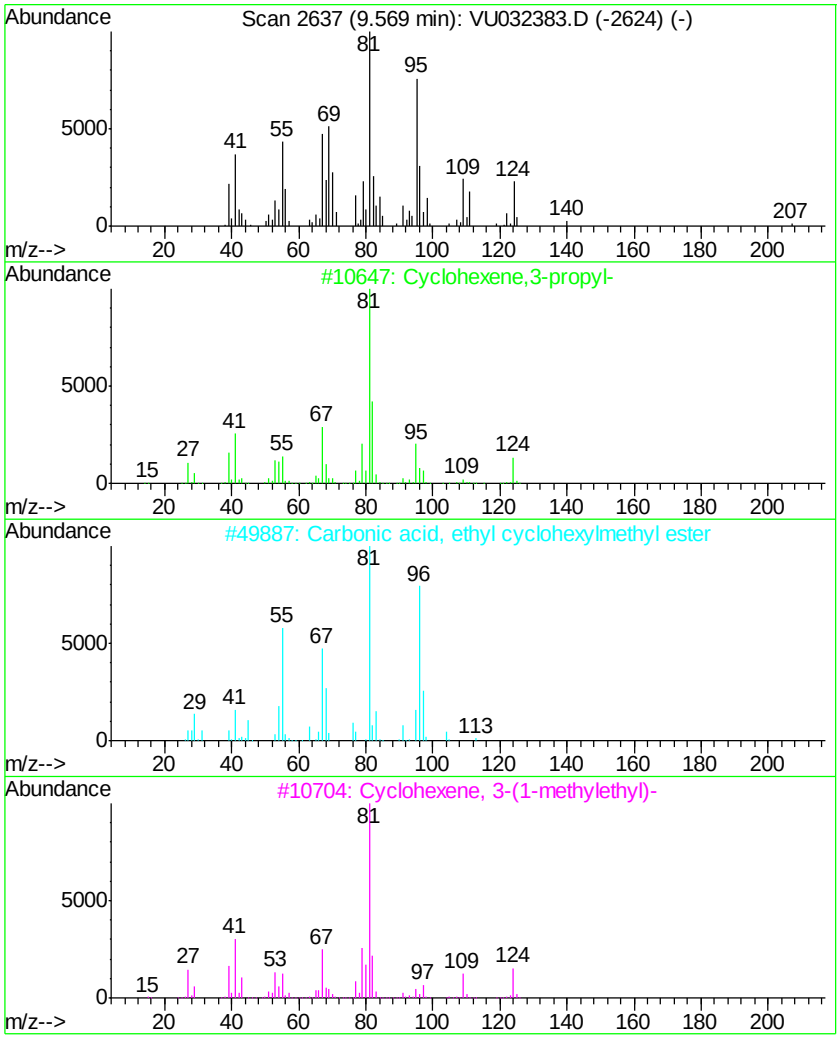
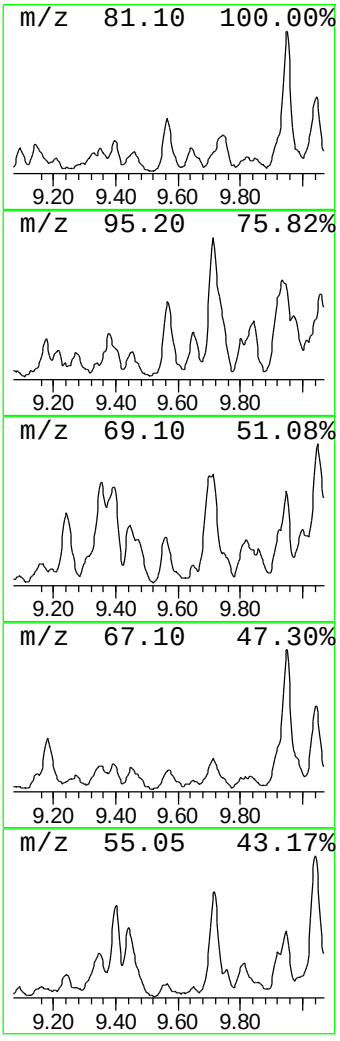
Peak Number 11 Cyclohexene,3-propyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	6.30 ug/L	265057	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	52
2	Carbonic acid, ethyl cyclohexylm...	186	C10H18O3	1000357-91-5	49
3	Cyclohexene, 3-(1-methylethyl)-	124	C9H16	003983-08-2	43
4	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	38
5	Cyclohexene,3-butyl-	138	C10H18	003983-07-1	38





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Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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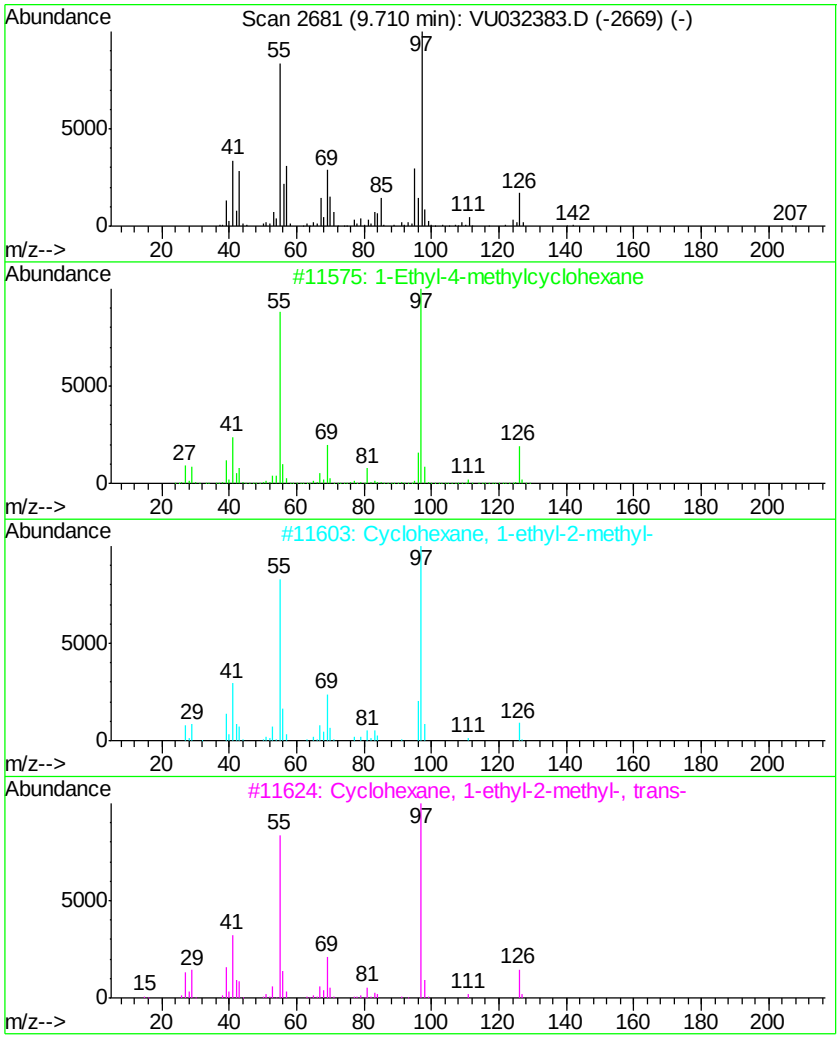
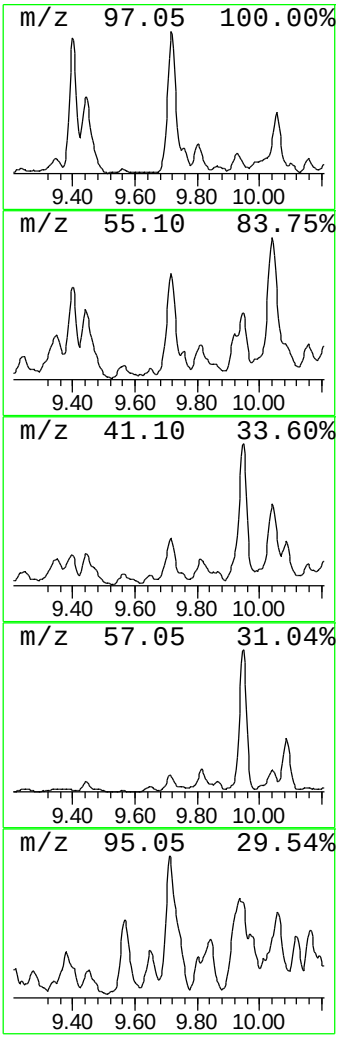
Peak Number 12 (DEL) Alkane: Cyclic9.71 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.71	17.96 ug/L	756141	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	68
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	64
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	58
4	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	58
5	Cyclohexane, 1,3-dimethyl-	112	C8H16	000591-21-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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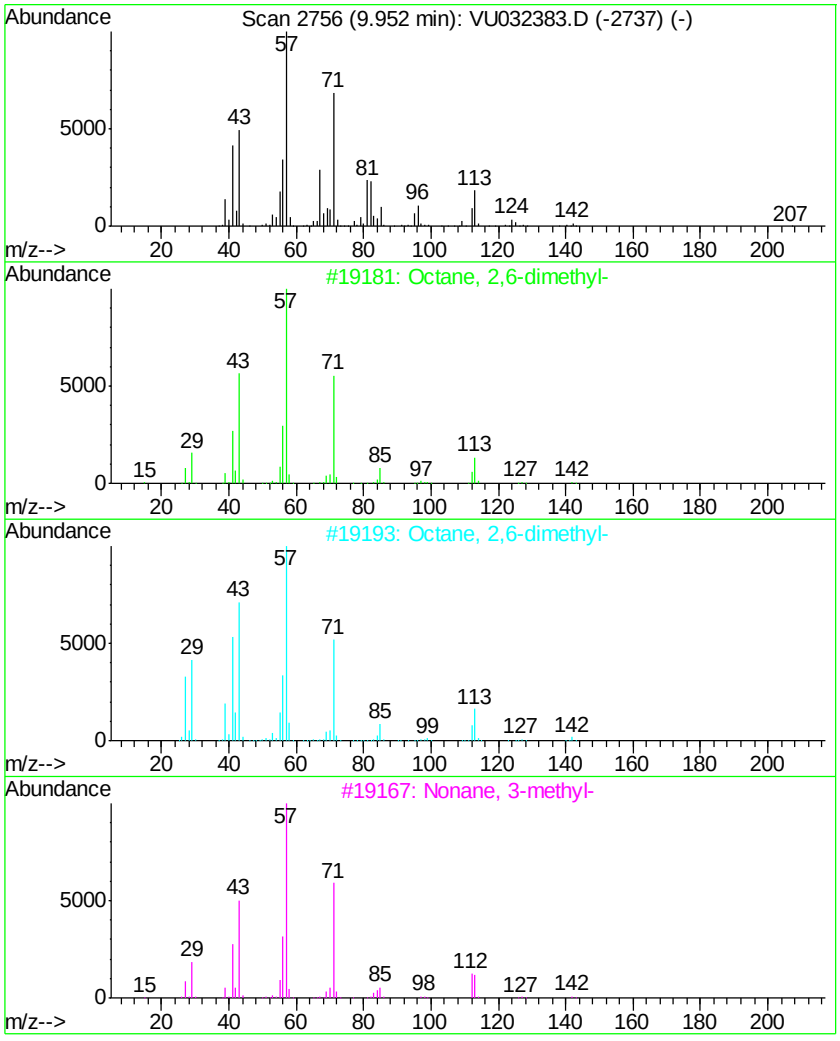
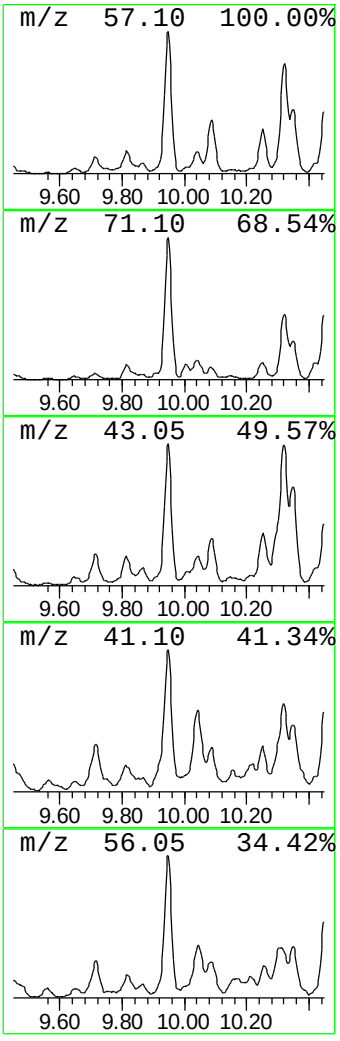
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.95	41.68 ug/L	1754980	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	92
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	62
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	60
4	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	60
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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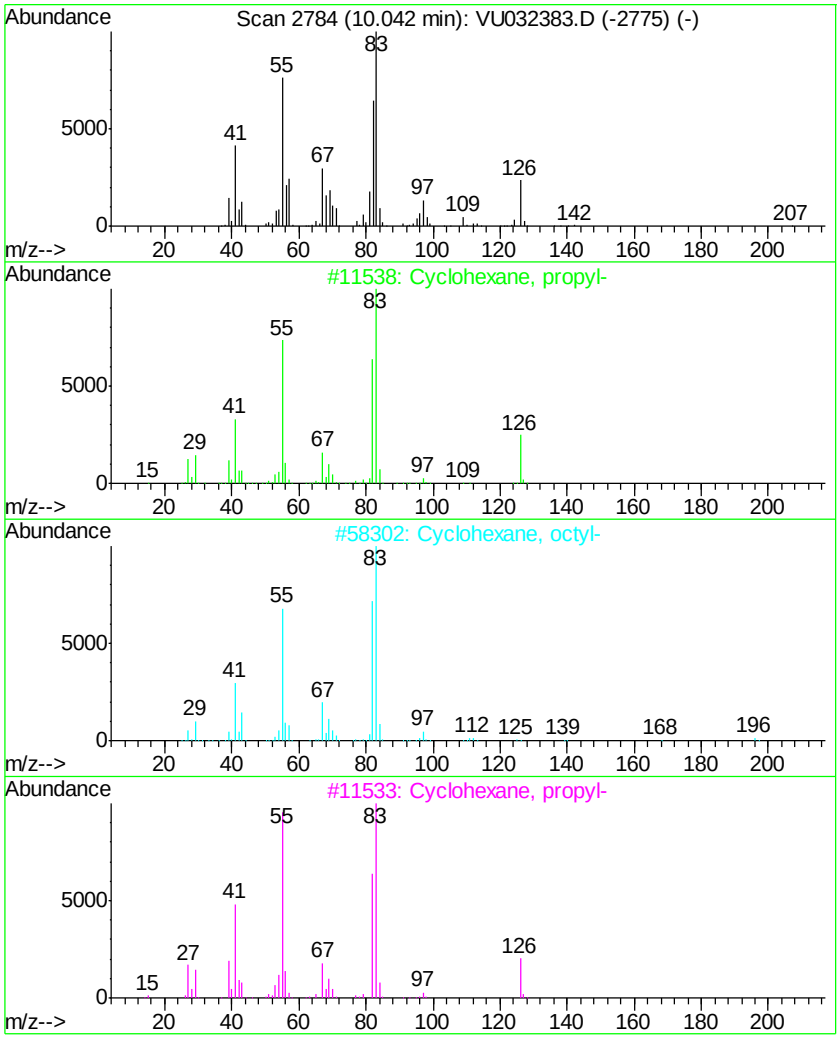
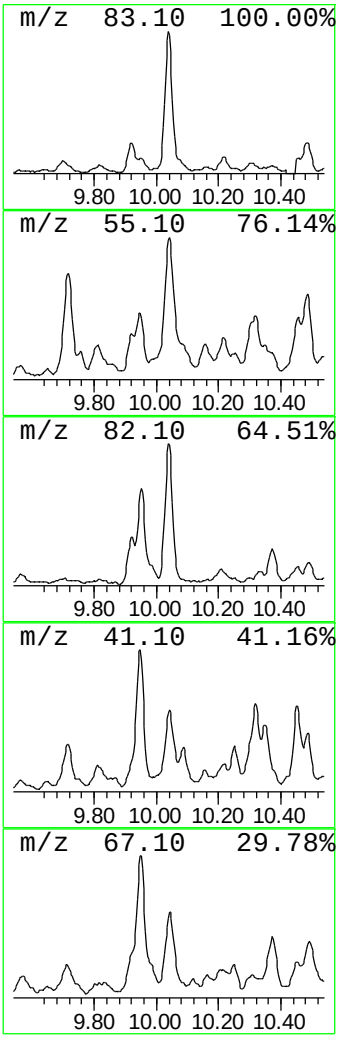
Peak Number 14 (DEL) Alkane: Cyclic10.04 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	19.19 ug/L	807832	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	74
2	Cyclohexane, octyl-	196	C14H28	001795-15-9	59
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	59
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	58
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	58





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Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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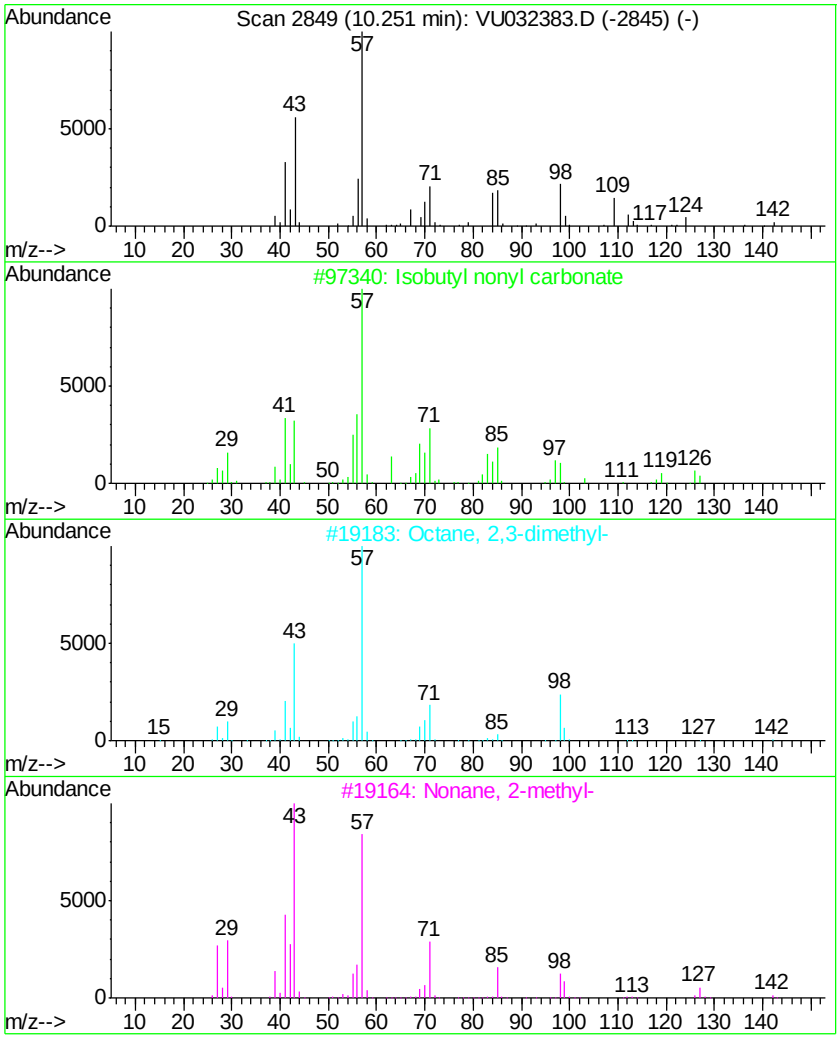
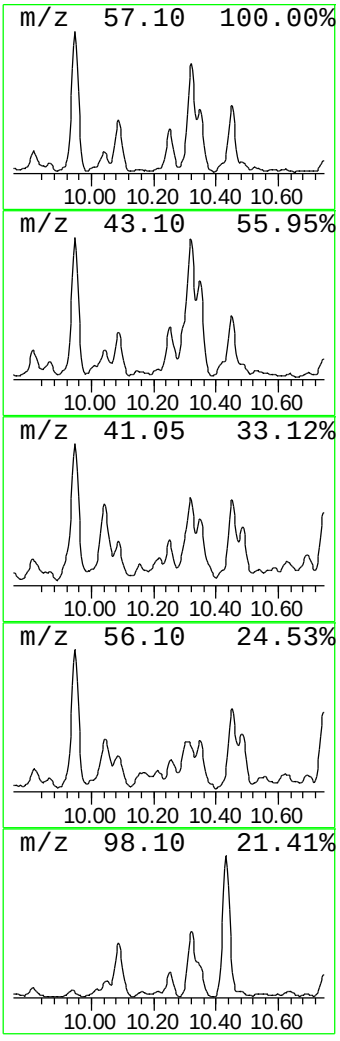
Peak Number 15 unknown-01 Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	5.32 ug/L	223917	Chlorobenzene-d5	9.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutyl nonyl carbonate	244	C14H28O3	959311-27-4	47
2	Octane, 2,3-dimethyl-	142	C10H22	007146-60-3	47
3	Nonane, 2-methyl-	142	C10H22	000871-83-0	46
4	Hexane, 3-ethyl-2,5-dimethyl-	142	C10H22	052897-04-8	43
5	Octane, 4-ethyl-	142	C10H22	015869-86-0	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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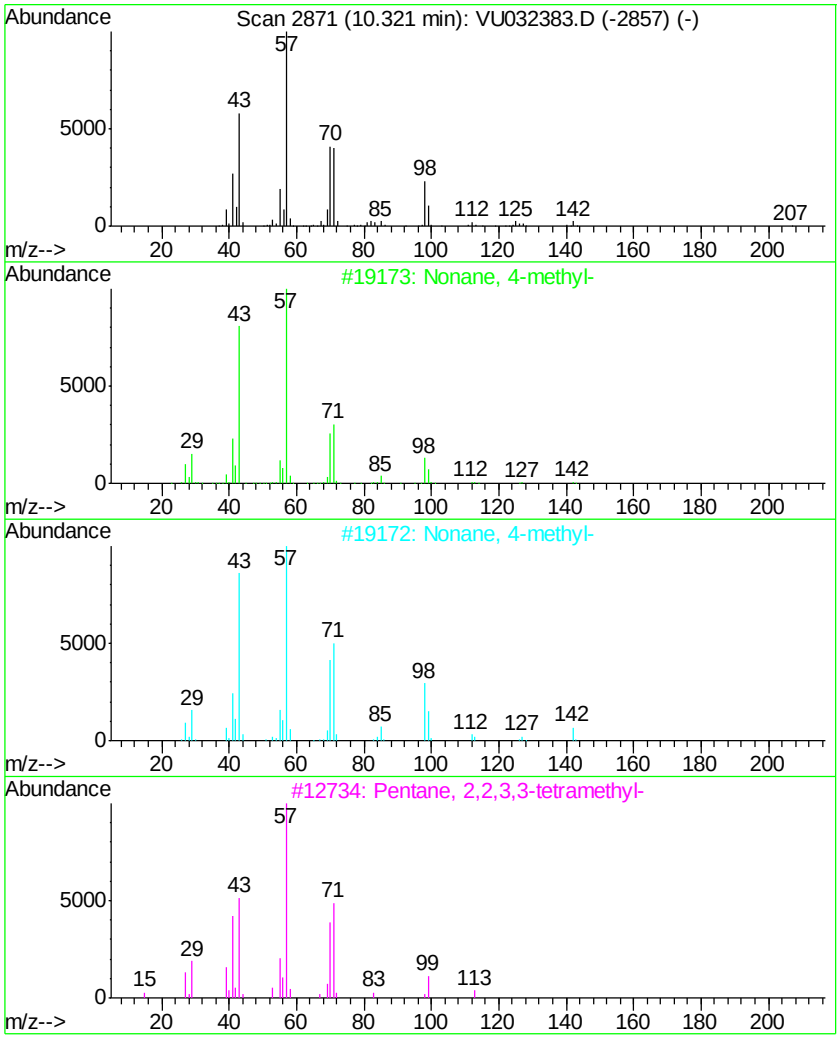
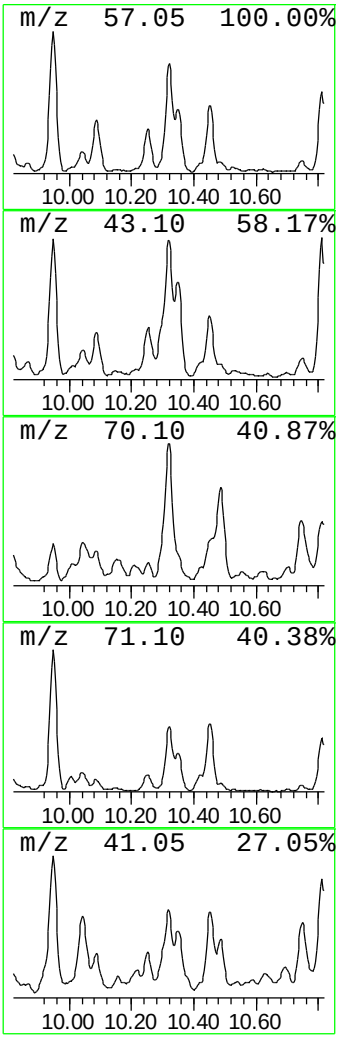
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.32	20.56 ug/L	988078	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	91
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	78
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	64
4	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	62
5	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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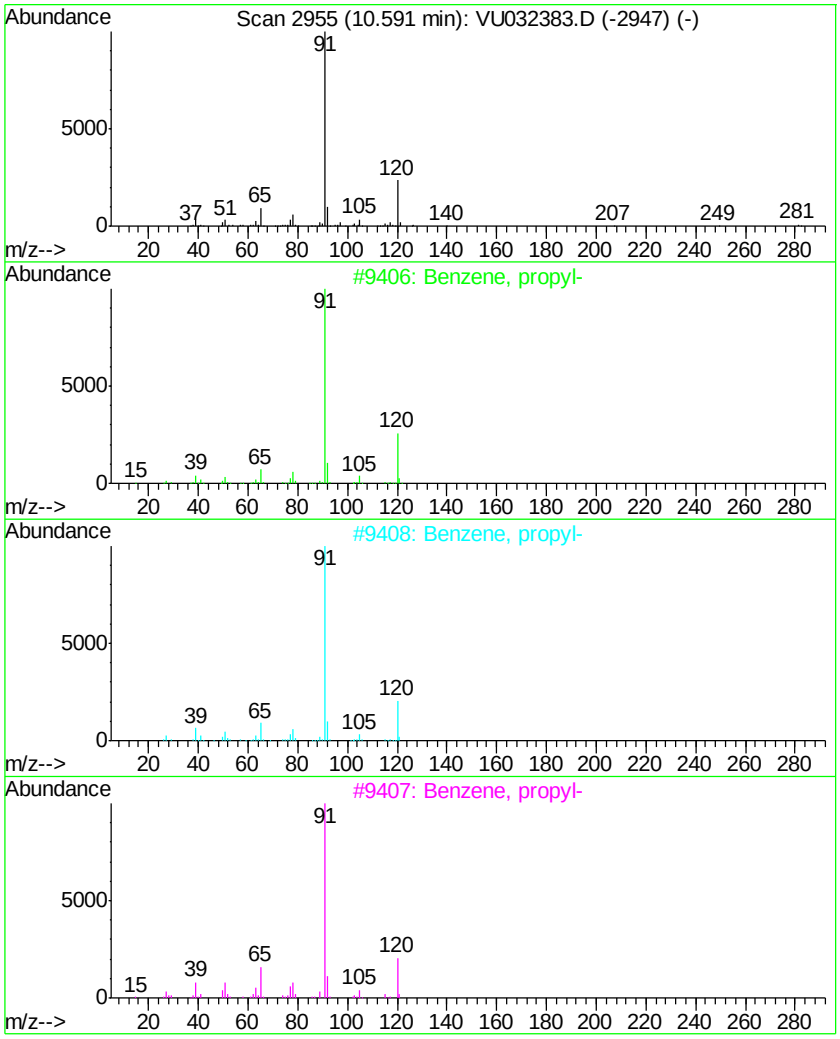
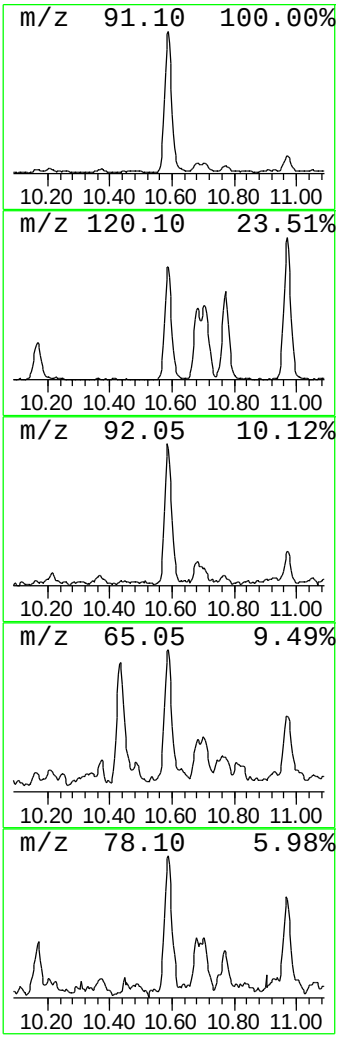
Peak Number 17 Benzene, propyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	5.48 ug/L	263312	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	76
4	Propanenitrile, 3-[(phenylmethyl...	160	C10H12N2	000706-03-6	64
5	1-Benzylamino-2-benzyloxyethane	241	C16H19NO	038336-06-0	64





Library Search Compound Report

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Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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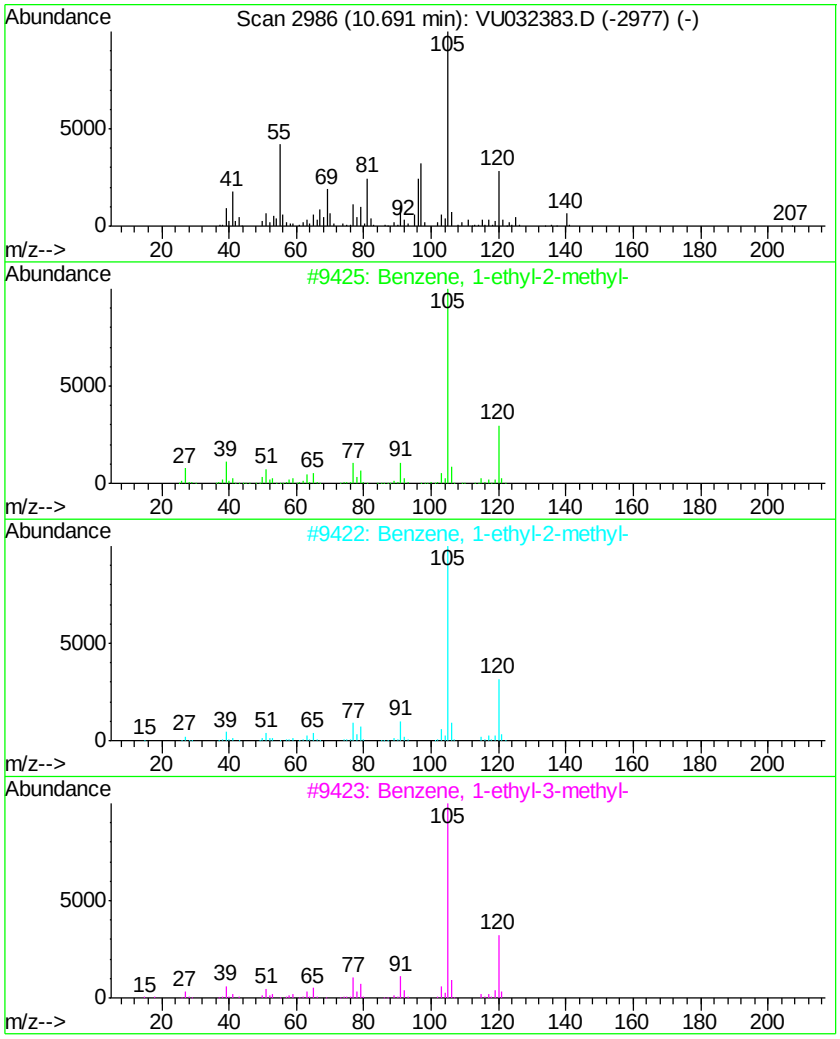
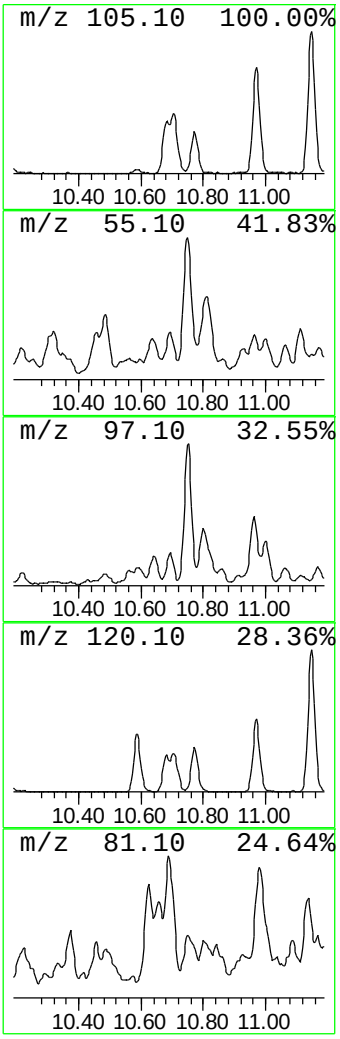
Peak Number 18 Benzene, 1-ethyl-2-methyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	6.32 ug/L	303793	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	89
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	86
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	86
4	Mesitylene	120	C9H12	000108-67-8	50
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	50





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Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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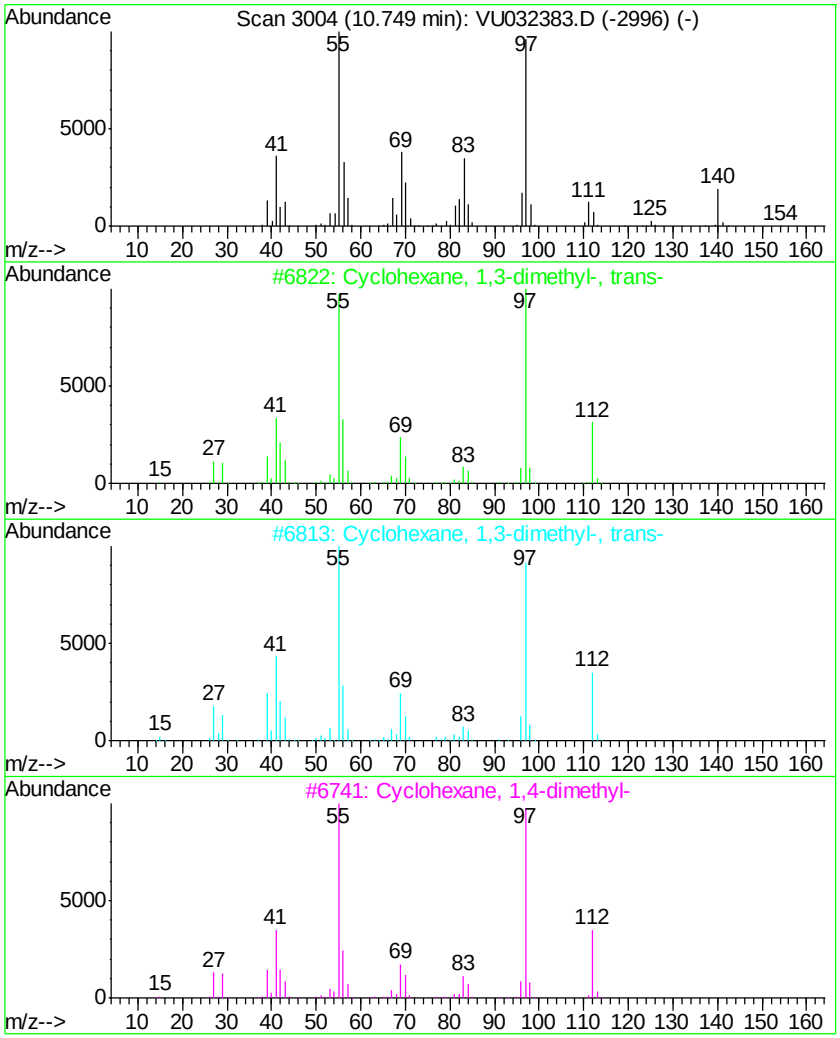
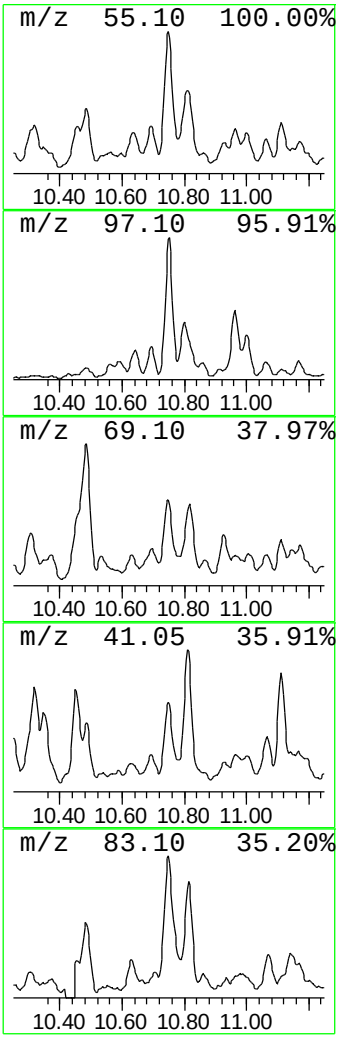
Peak Number 19 (DEL) Alkane: Cyclic10.75 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	18.20 ug/L	874540	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	74
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	72
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	72
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	68
5	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	58





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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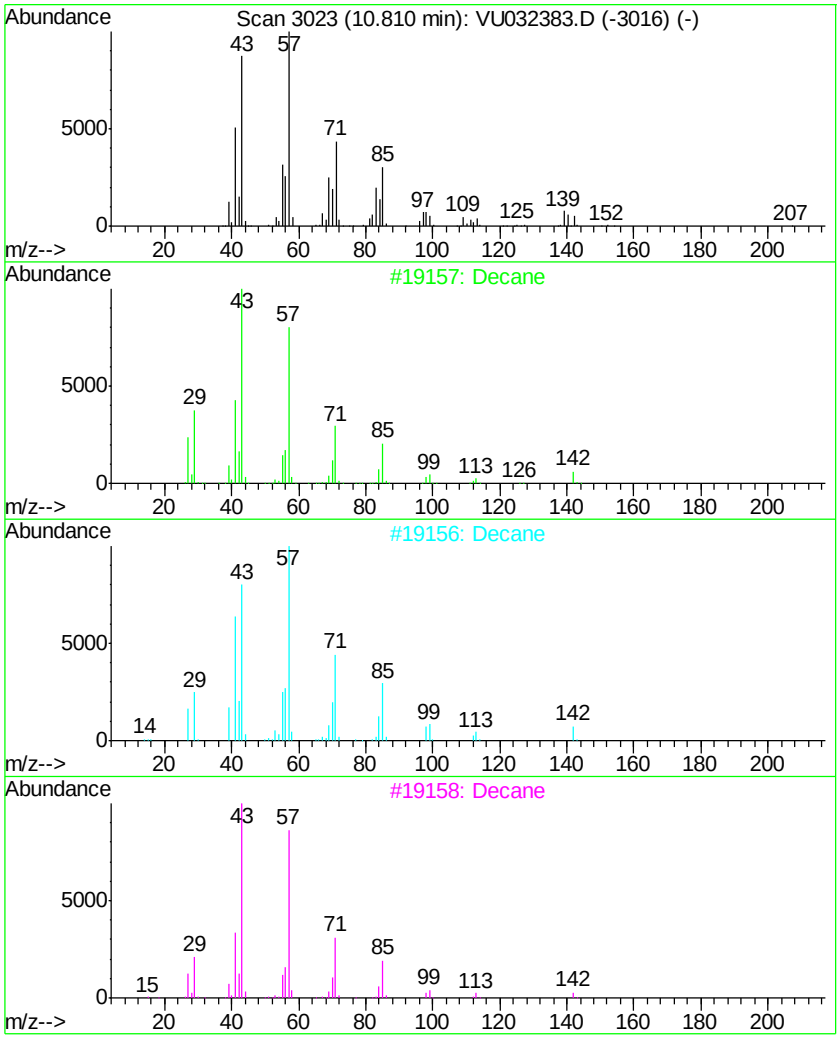
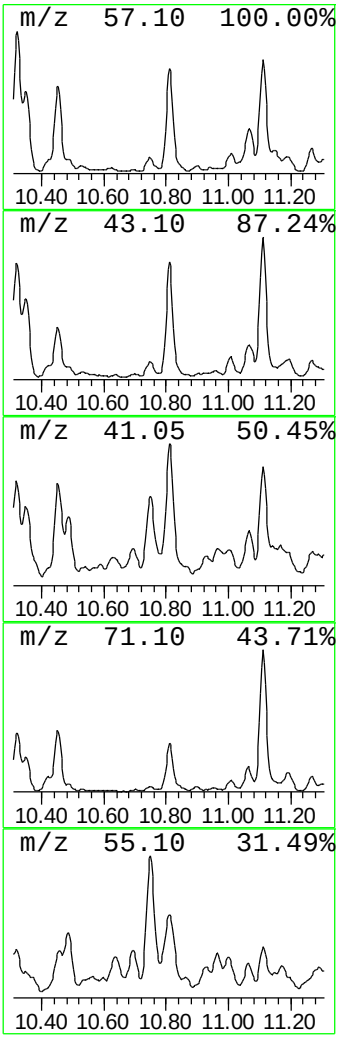
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	21.26 ug/L	1021740	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	81
2	Decane	142	C10H22	000124-18-5	81
3	Decane	142	C10H22	000124-18-5	76
4	Hexatriacontane	507	C36H74	000630-06-8	59
5	1-Octanol, 2-methyl-	144	C9H20O	000818-81-5	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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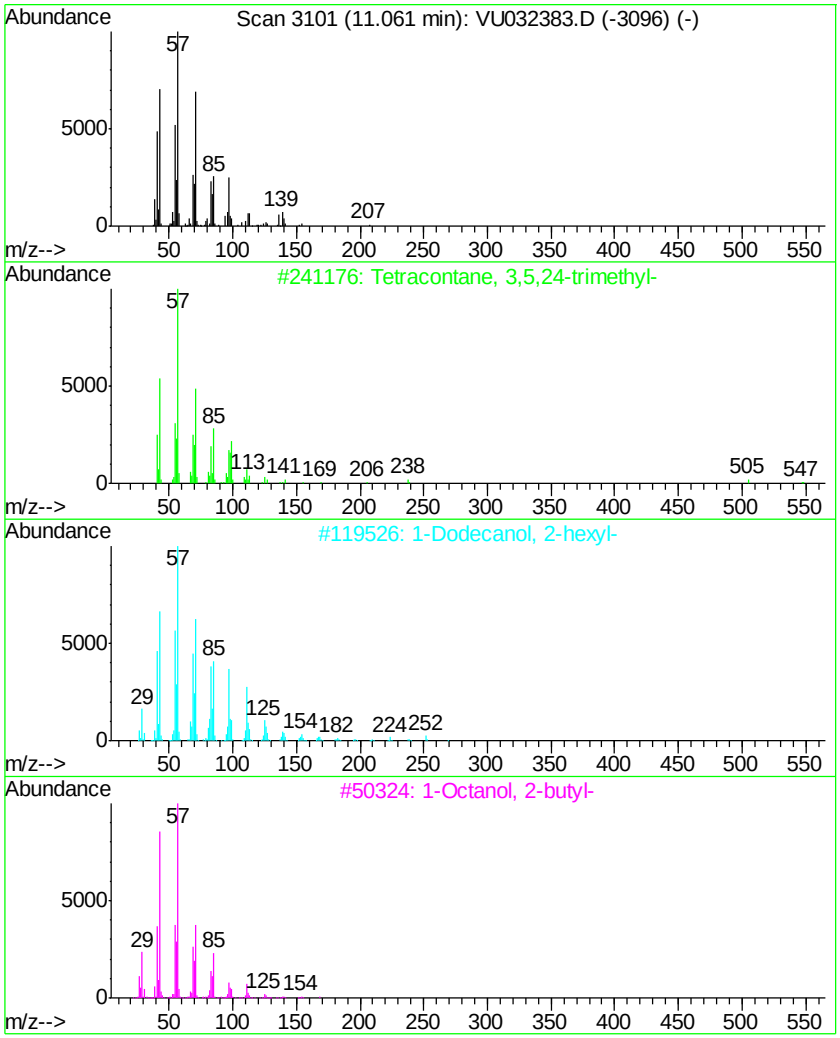
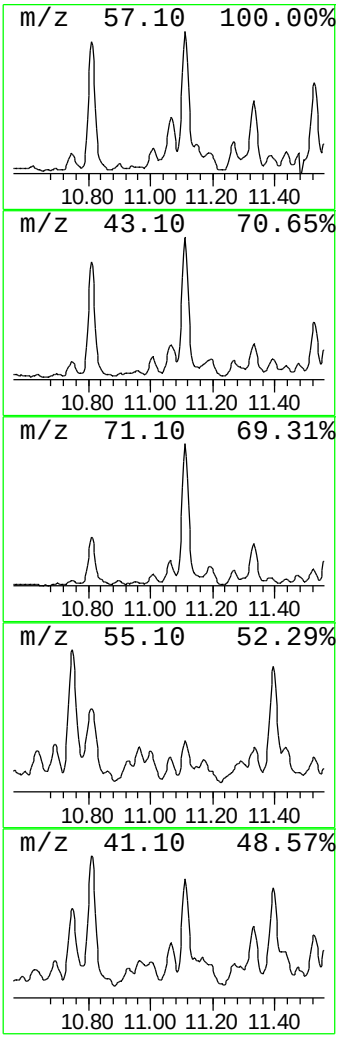
Peak Number 22 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	4.84 ug/L	232493	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	78
2	1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	78
3	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	50
4	Carbonic acid, butyl octyl ester	230	C13H26O3	1000314-63-5	50
5	Undecane, 5-methyl-	170	C12H26	001632-70-8	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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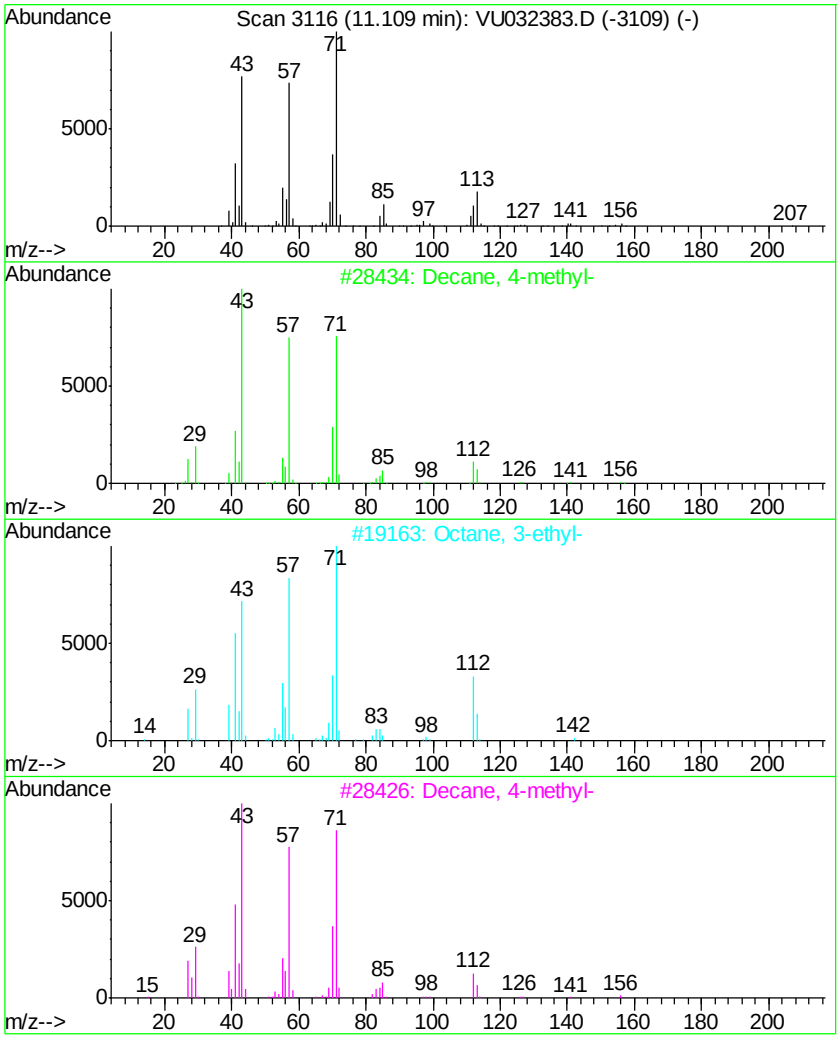
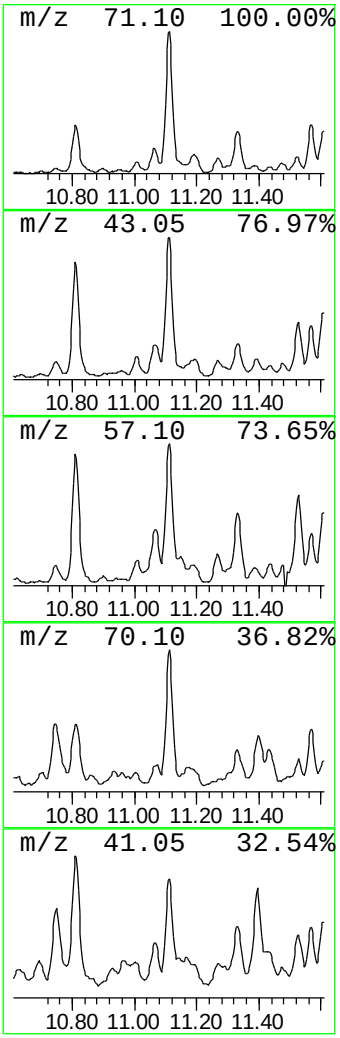
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	18.56 ug/L	891954	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	90
2	Octane, 3-ethyl-	142	C10H22	005881-17-4	72
3	Decane, 4-methyl-	156	C11H24	002847-72-5	72
4	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
5	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59





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Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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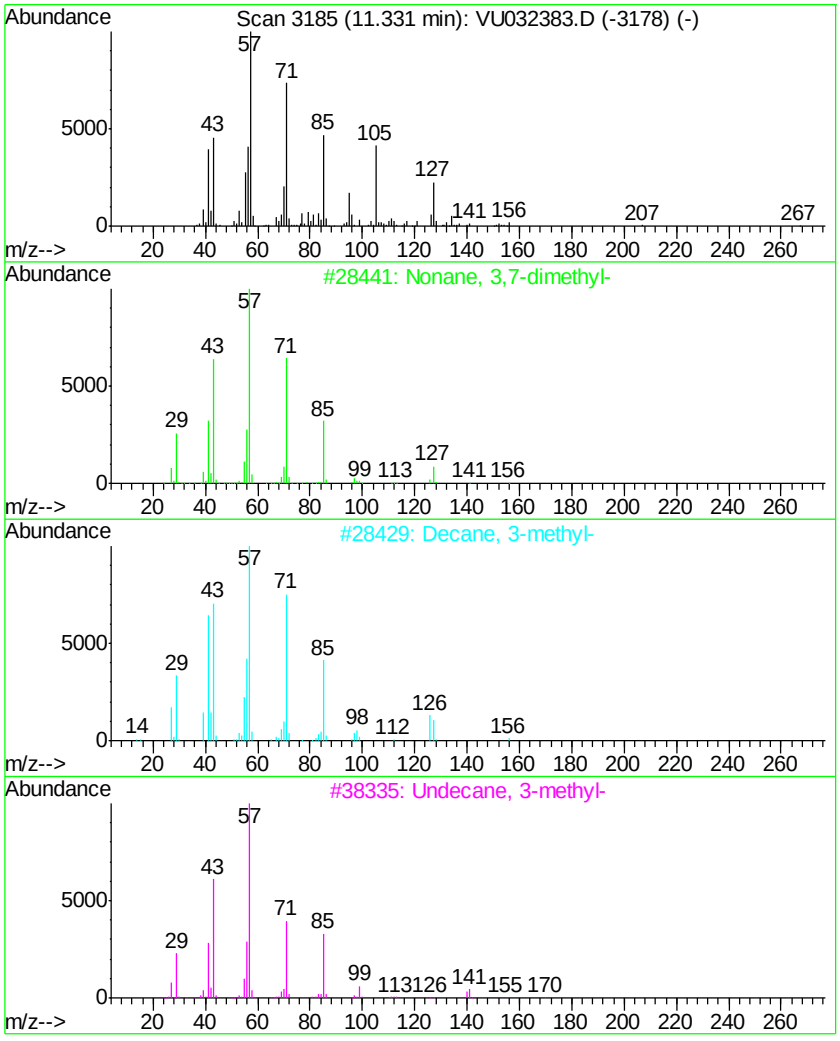
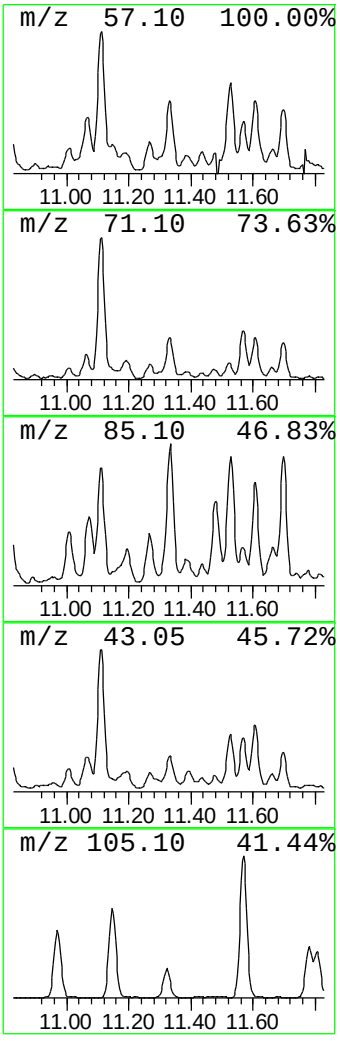
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	13.07 ug/L	627996	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	64
2	Decane, 3-methyl-	156	C11H24	013151-34-3	64
3	Undecane, 3-methyl-	170	C12H26	001002-43-3	59
4	Undecane, 3-methyl-	170	C12H26	001002-43-3	59
5	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	49





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Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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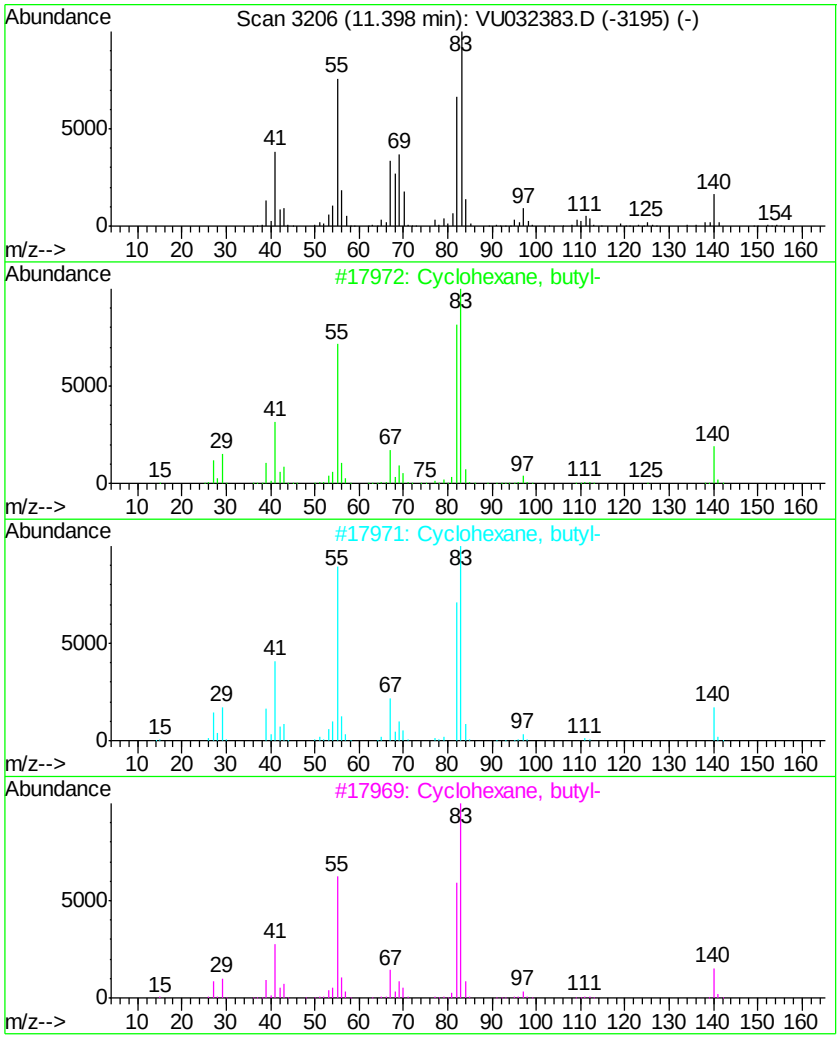
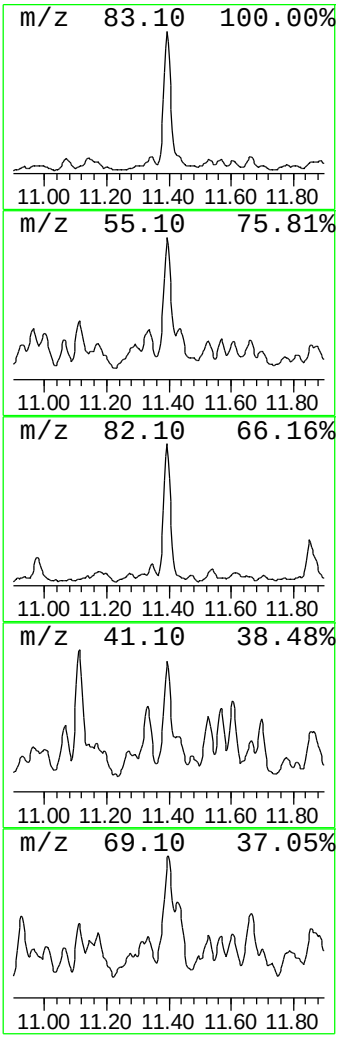
Peak Number 26 (DEL) Alkane: Cyclic11.40 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	19.11 ug/L	918049	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	74
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
4	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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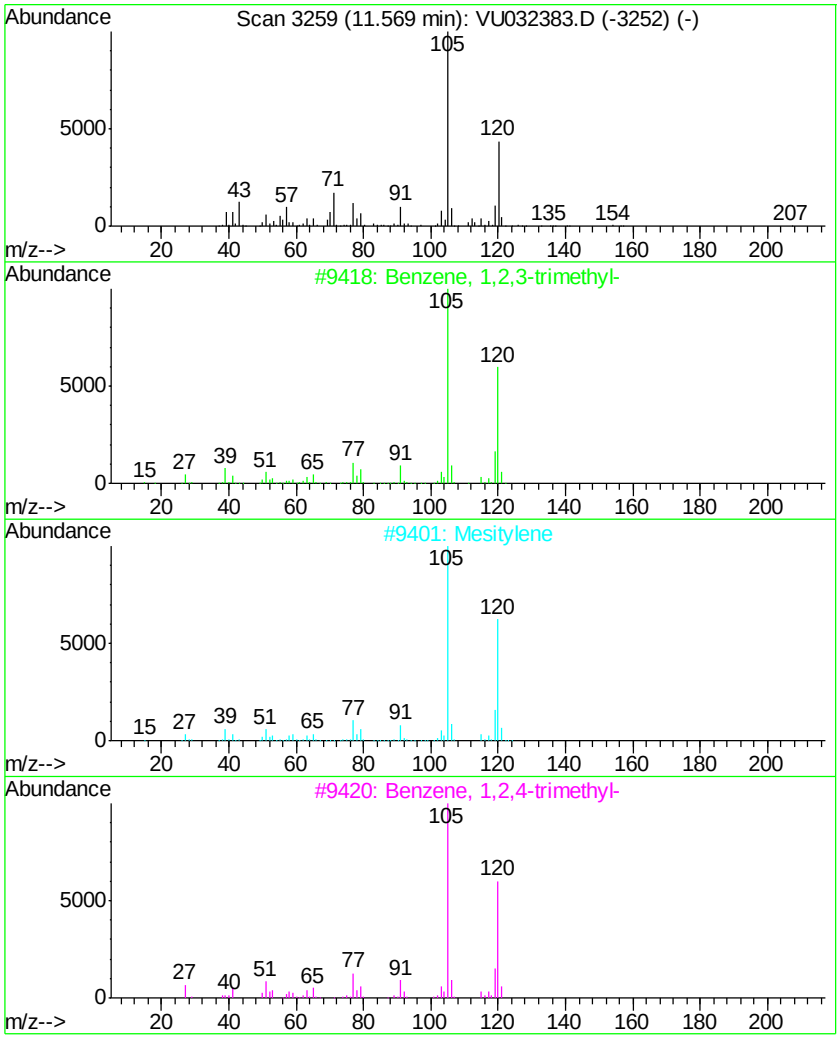
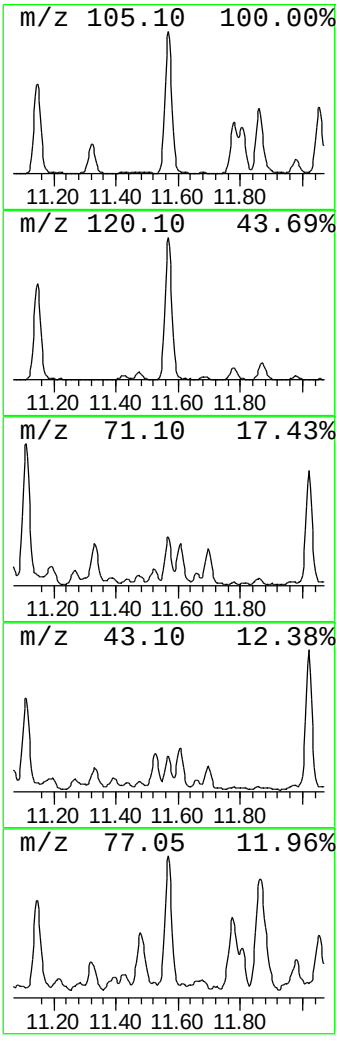
Peak Number 27 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	20.73 ug/L	996175	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	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	93
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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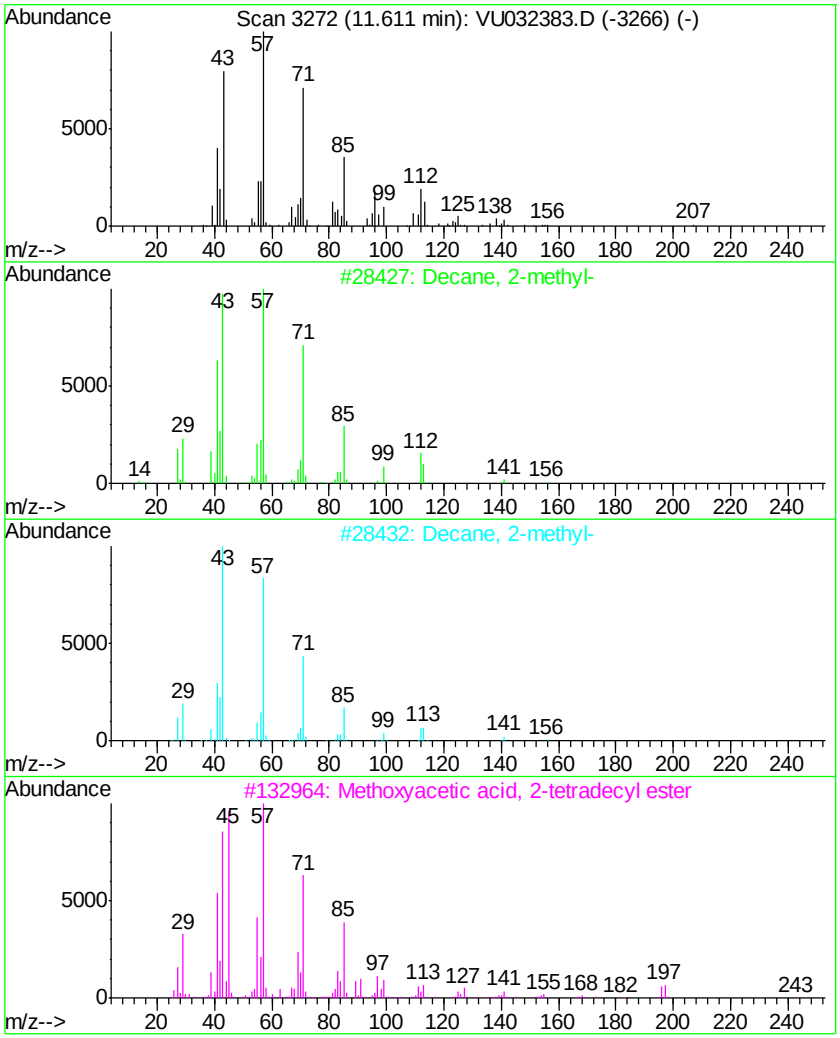
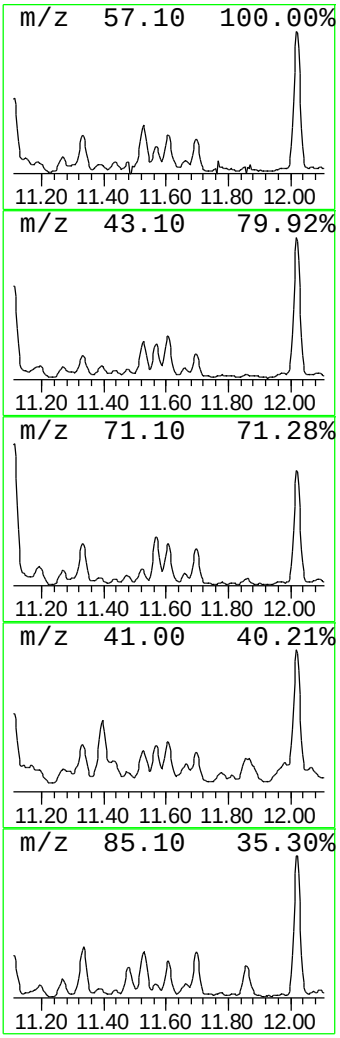
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	7.43 ug/L	356845	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	90
2	Decane, 2-methyl-	156	C11H24	006975-98-0	87
3	Methoxyacetic acid, 2-tetradecyl...	286	C17H34O3	1000282-04-8	80
4	Decane, 2-methyl-	156	C11H24	006975-98-0	76
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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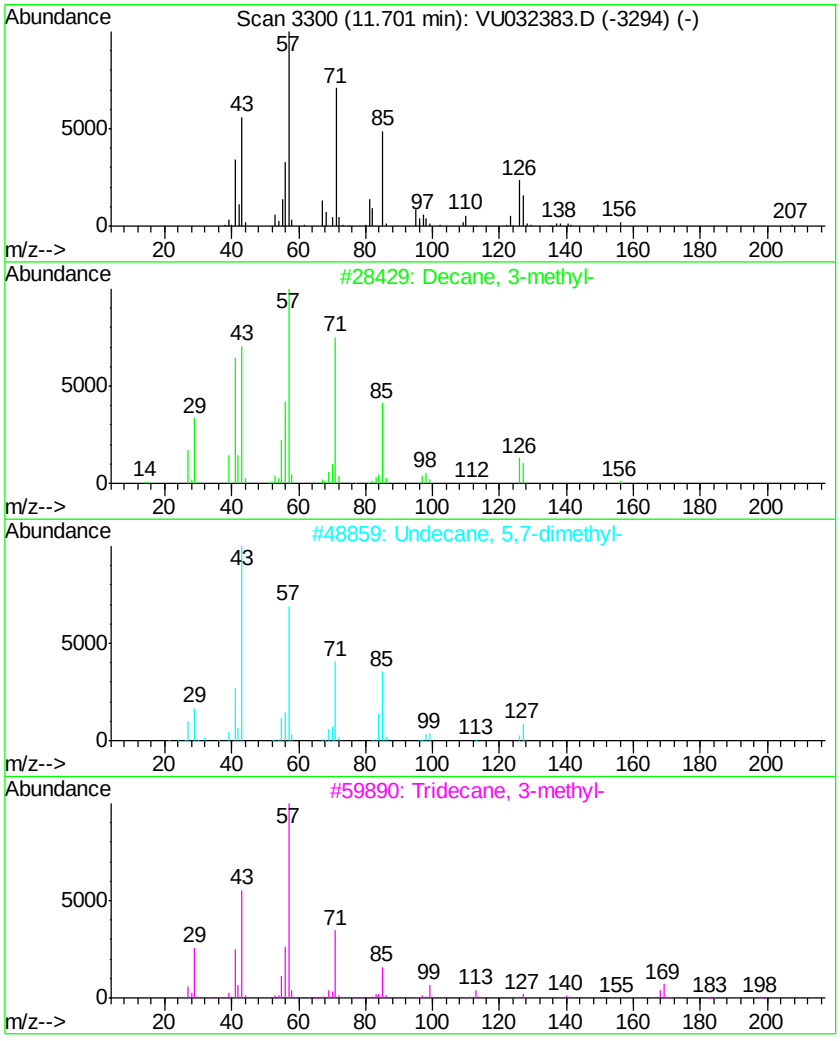
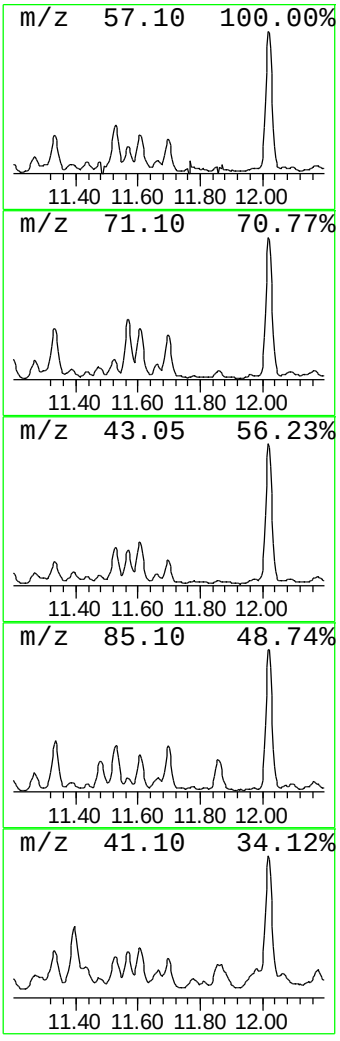
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	7.52 ug/L	361329	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3-methyl-	156	C11H24	013151-34-3	74
2	Undecane, 5,7-dimethyl-	184	C13H28	017312-83-3	59
3	Tridecane, 3-methyl-	198	C14H30	006418-41-3	59
4	Nonane, 5-butyl-	184	C13H28	017312-63-9	59
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

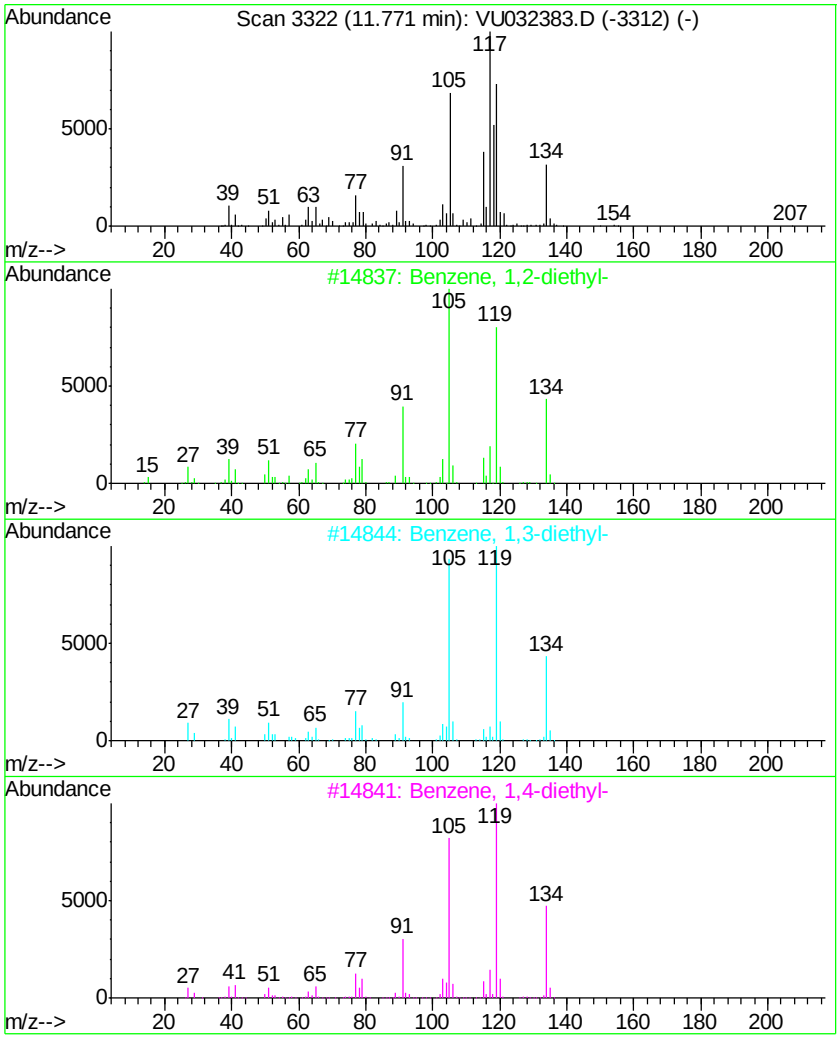
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

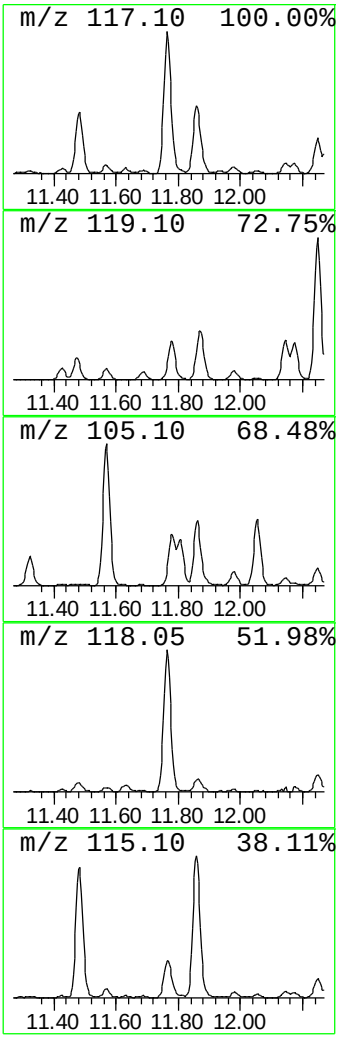
****

Peak Number 30 Benzene, 1,2-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	24.36 ug/L	1170550	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	90
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	60
4	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	60
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	60





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

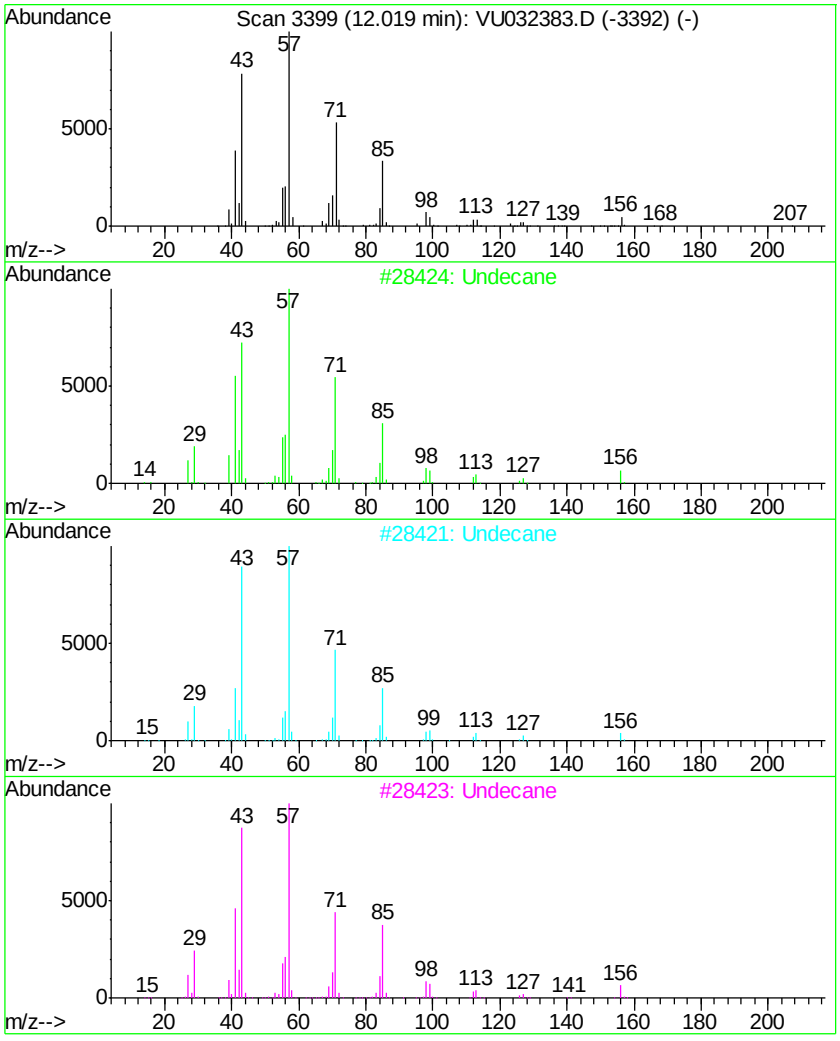
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

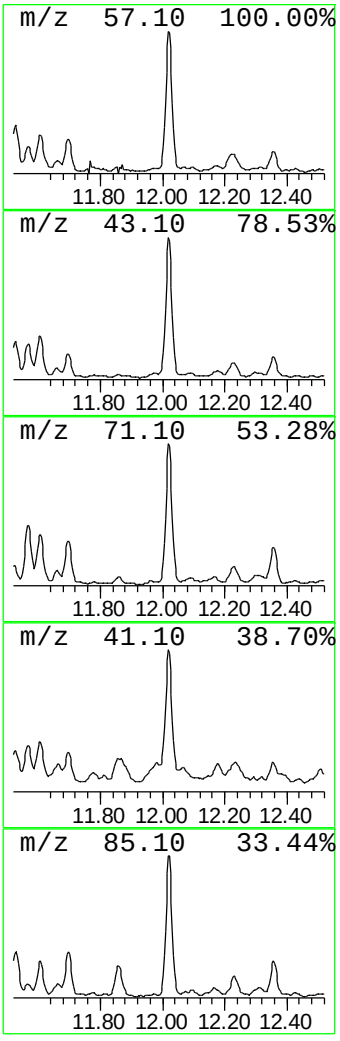
****

Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	22.60 ug/L	1085920	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	95
2	Undecane	156	C11H24	001120-21-4	93
3	Undecane	156	C11H24	001120-21-4	93
4	Undecane	156	C11H24	001120-21-4	91
5	Undecane	156	C11H24	001120-21-4	83





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Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

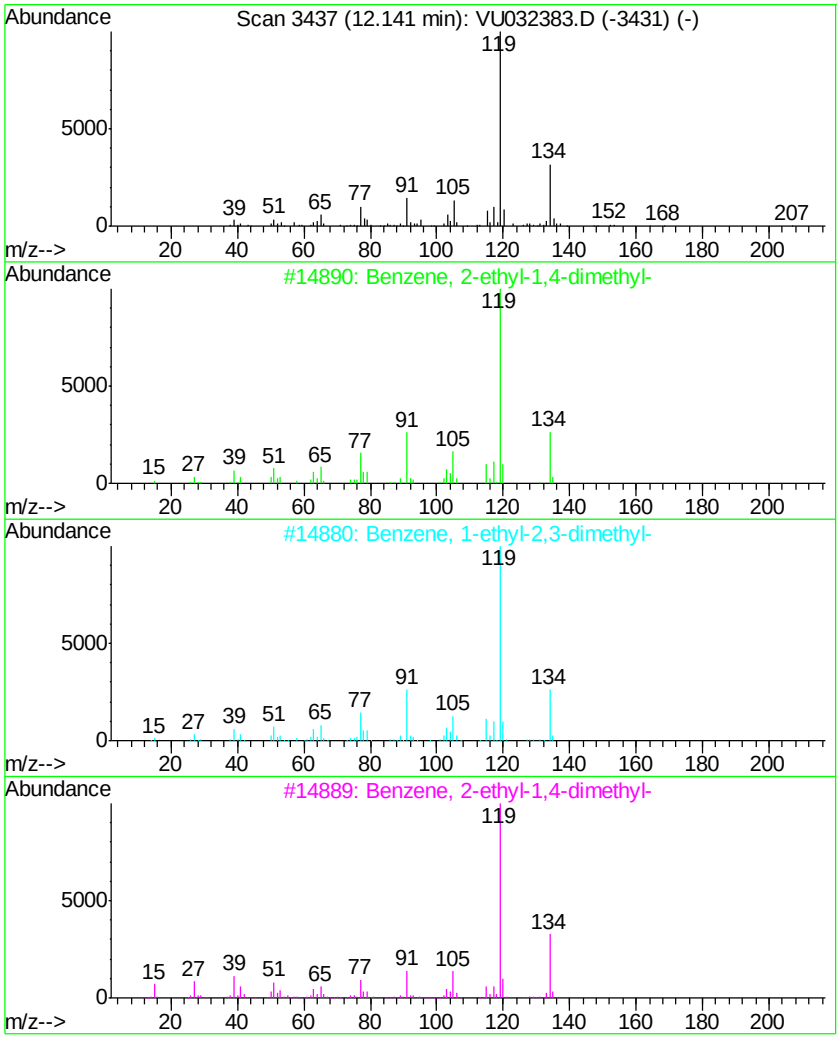
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

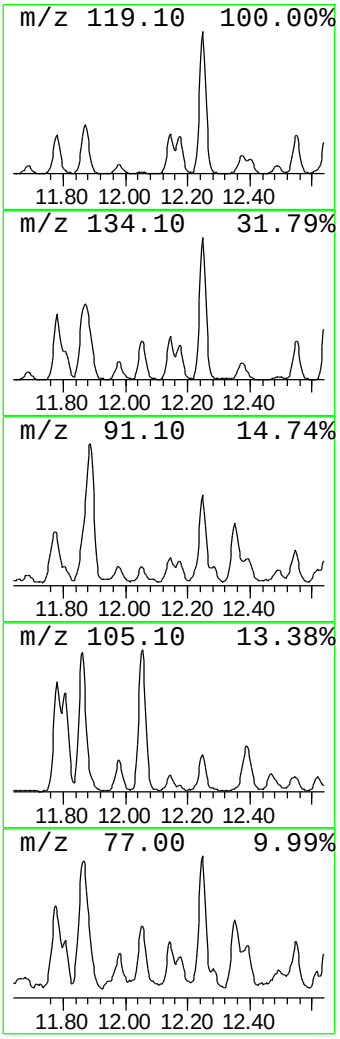
****

Peak Number 32 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	6.16 ug/L	296201	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, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	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\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

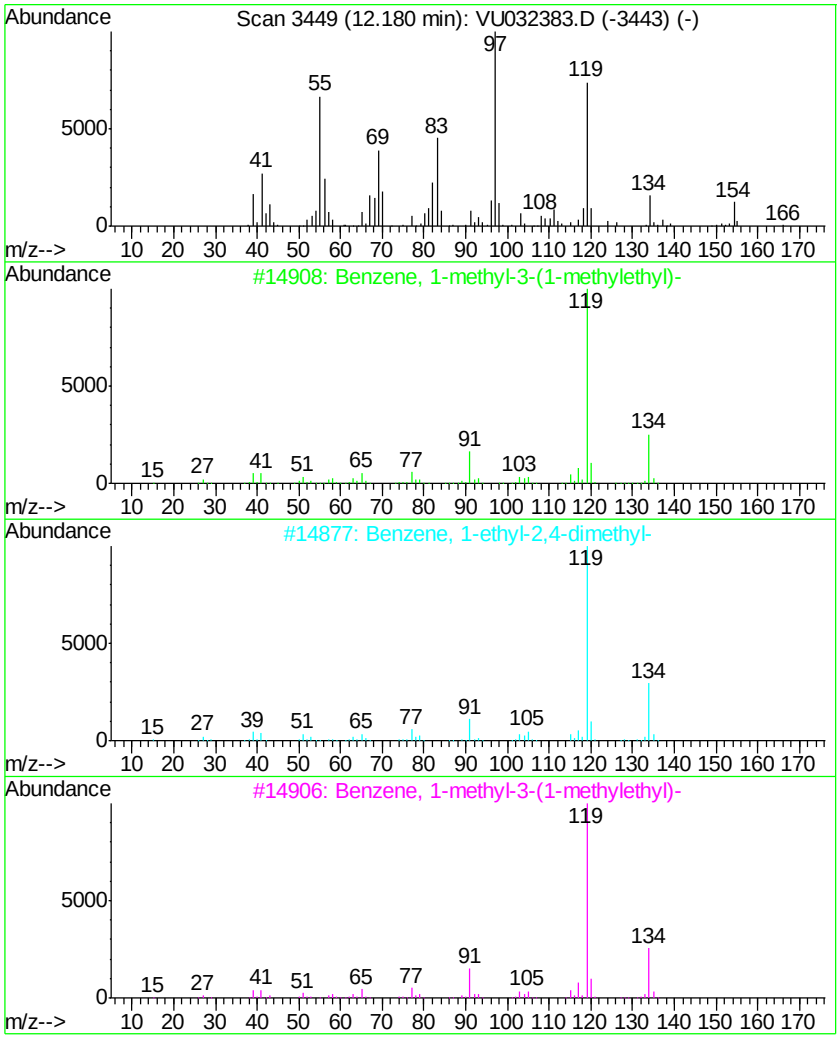
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

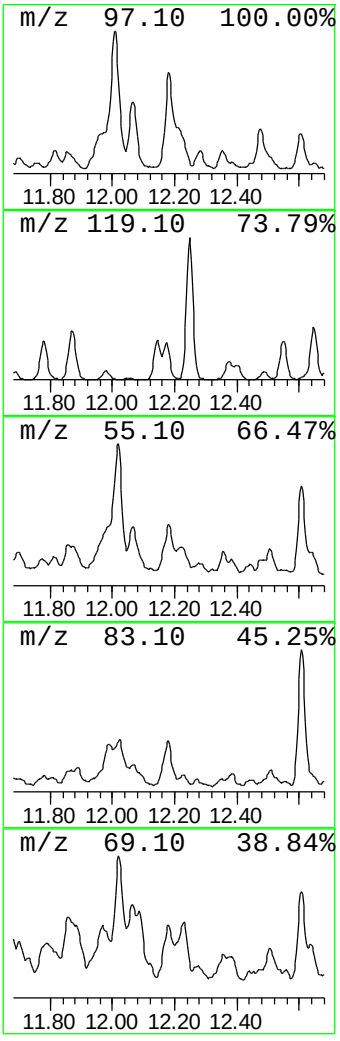
****

Peak Number 33 Benzene, 1-methyl-3-(1-meth... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	8.29 ug/L	398551	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	55
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	55
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	55
4	p-Cymene	134	C10H14	000099-87-6	49
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	49





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Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

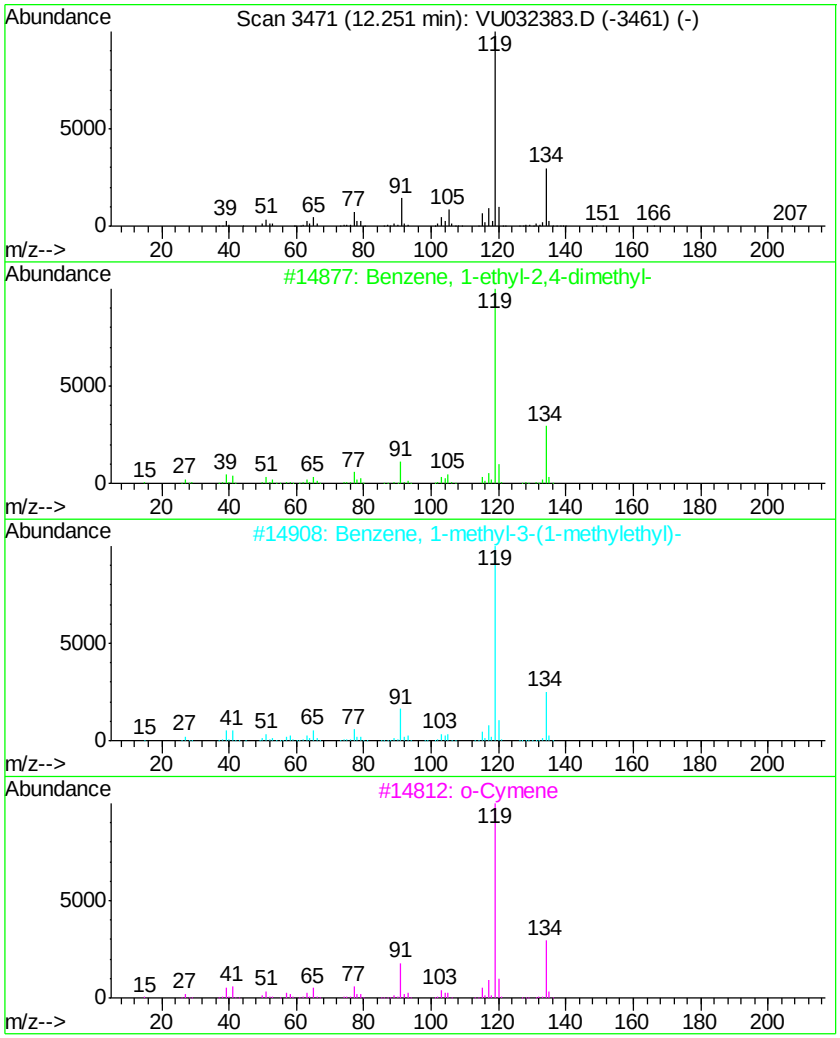
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

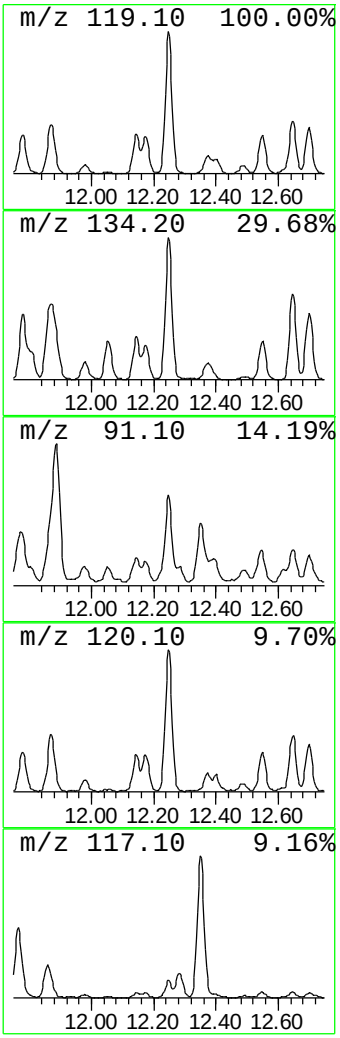
****

Peak Number 34 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	21.79 ug/L	1047190	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, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

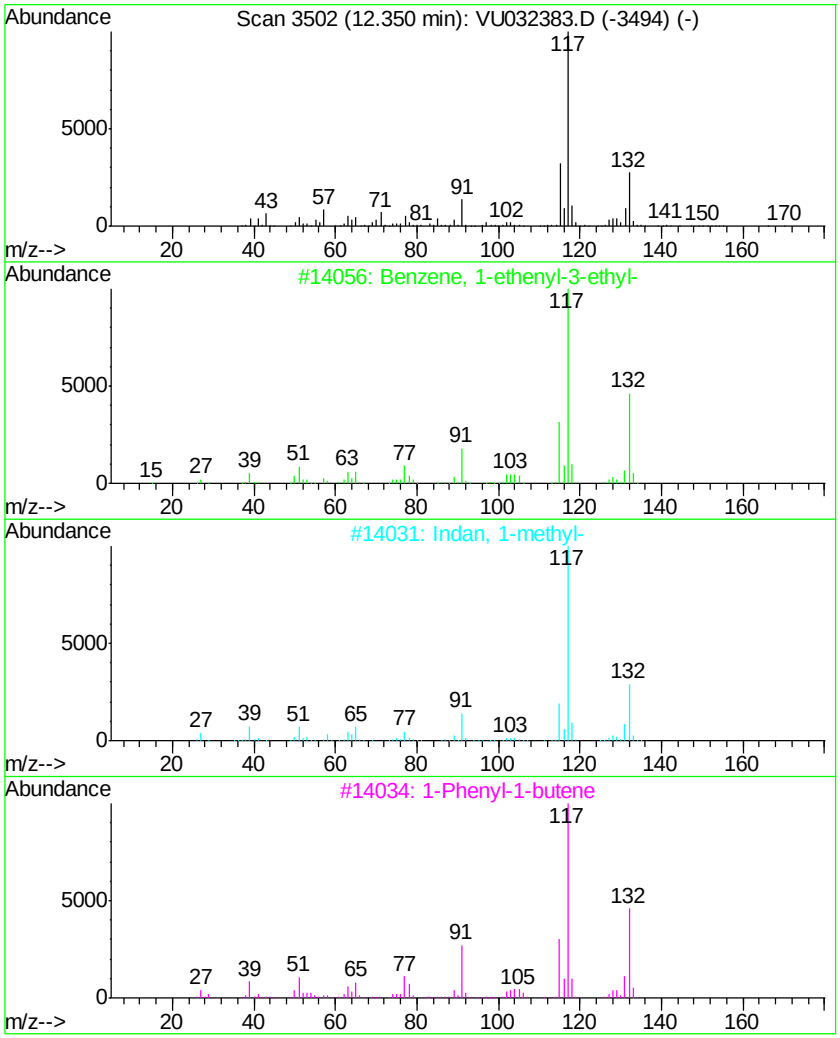
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

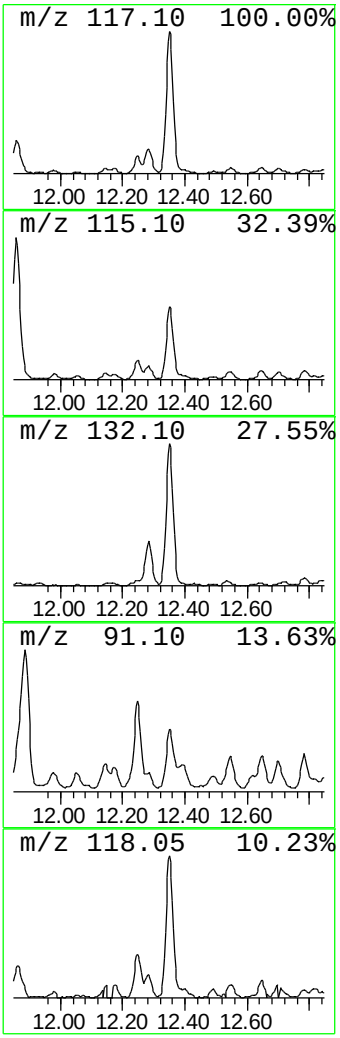
****

Peak Number 35 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	28.39 ug/L	1364200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	83
4	Indan, 1-methyl-	132	C10H12	000767-58-8	72
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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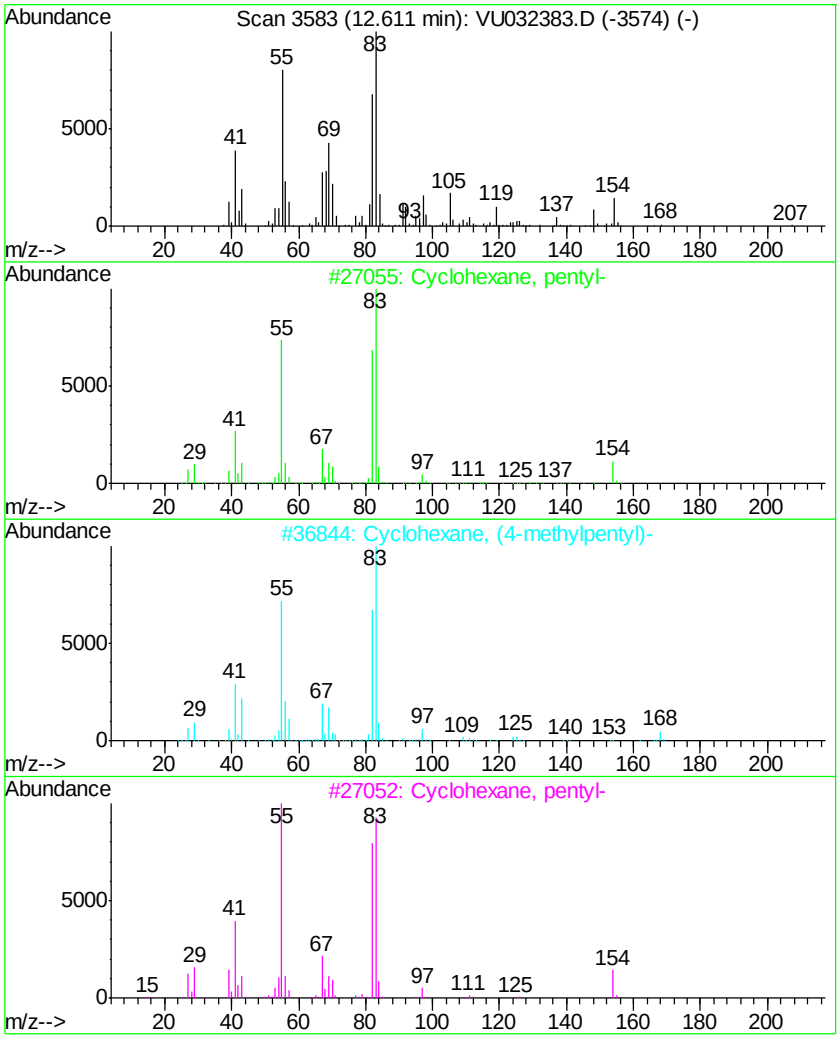
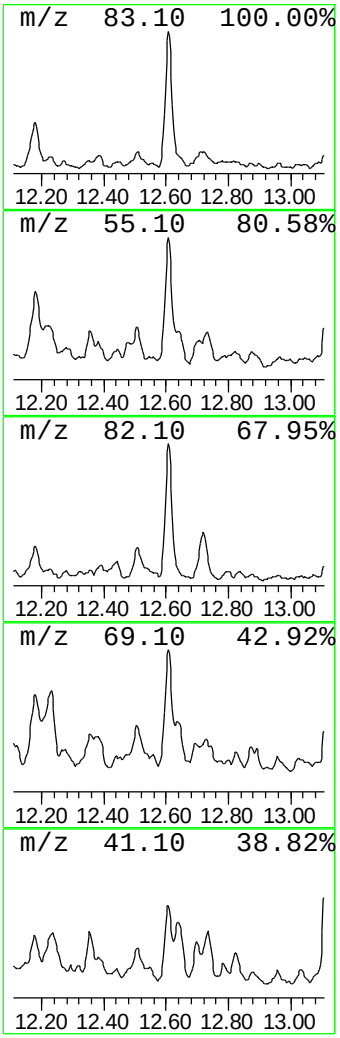
Peak Number 37 (DEL) Alkane: Cyclic12.61 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.61	11.78 ug/L	565821	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	64
2	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	59
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	58
5	Cyclohexane, hexyl-	168	C12H24	004292-75-5	53





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Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

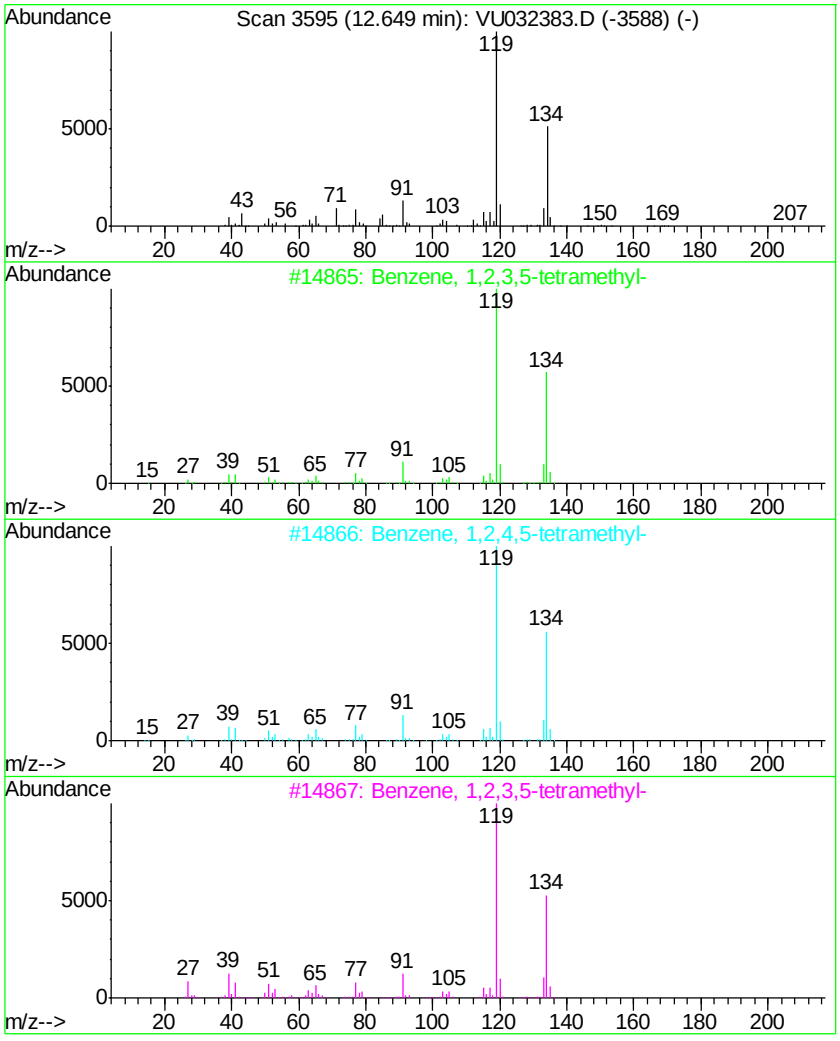
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

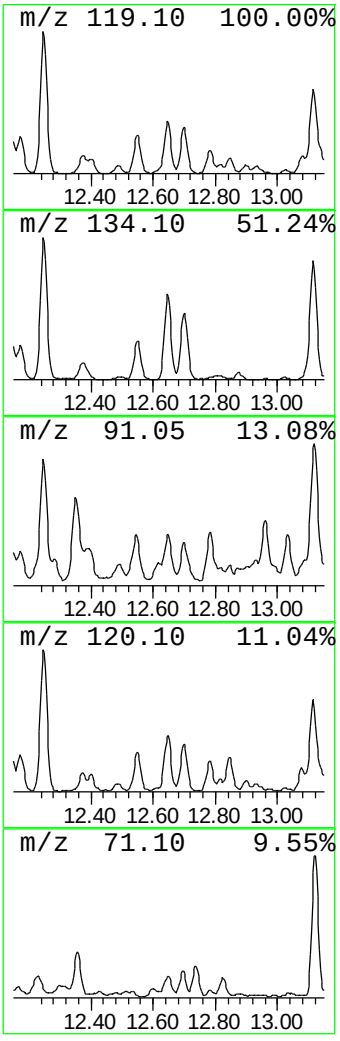
****

Peak Number 38 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	15.47 ug/L	743487	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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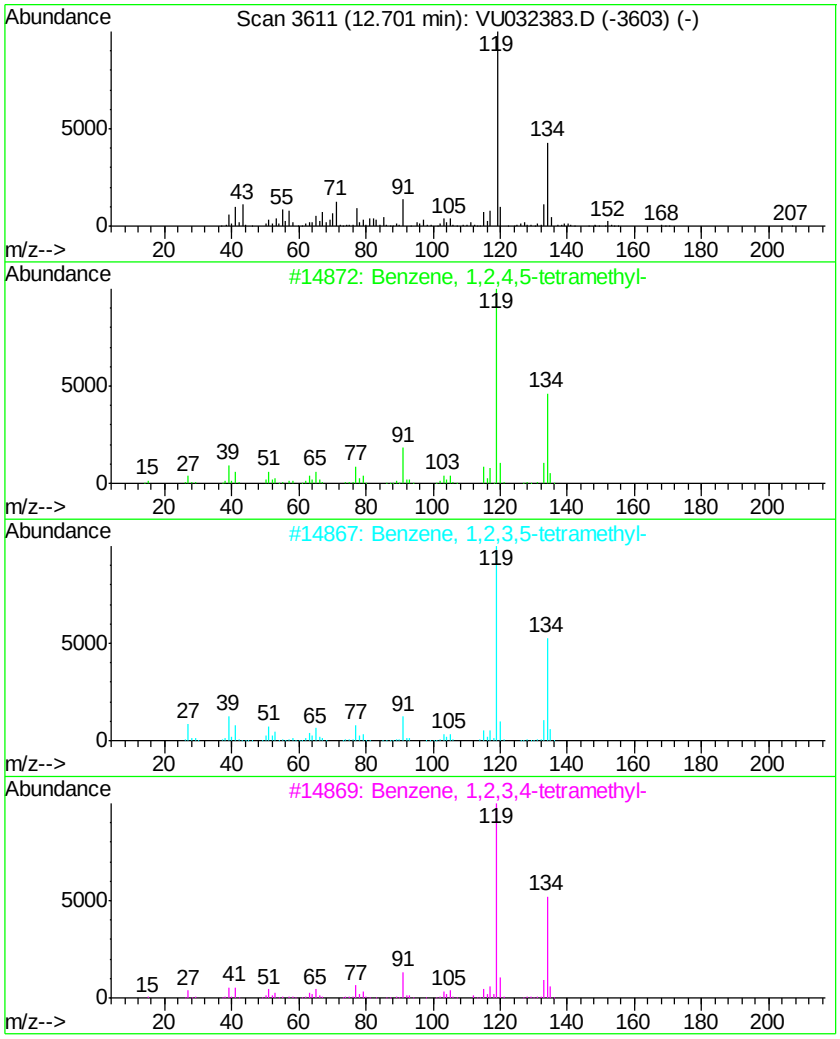
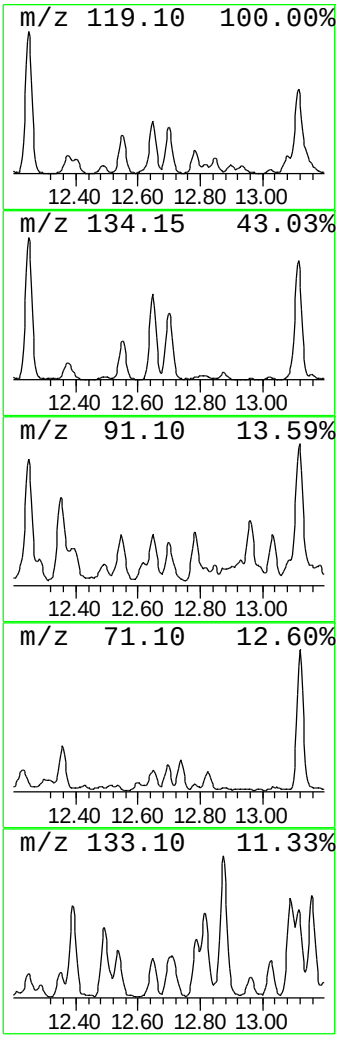
Peak Number 39 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	20.44 ug/L	982016	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, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94





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Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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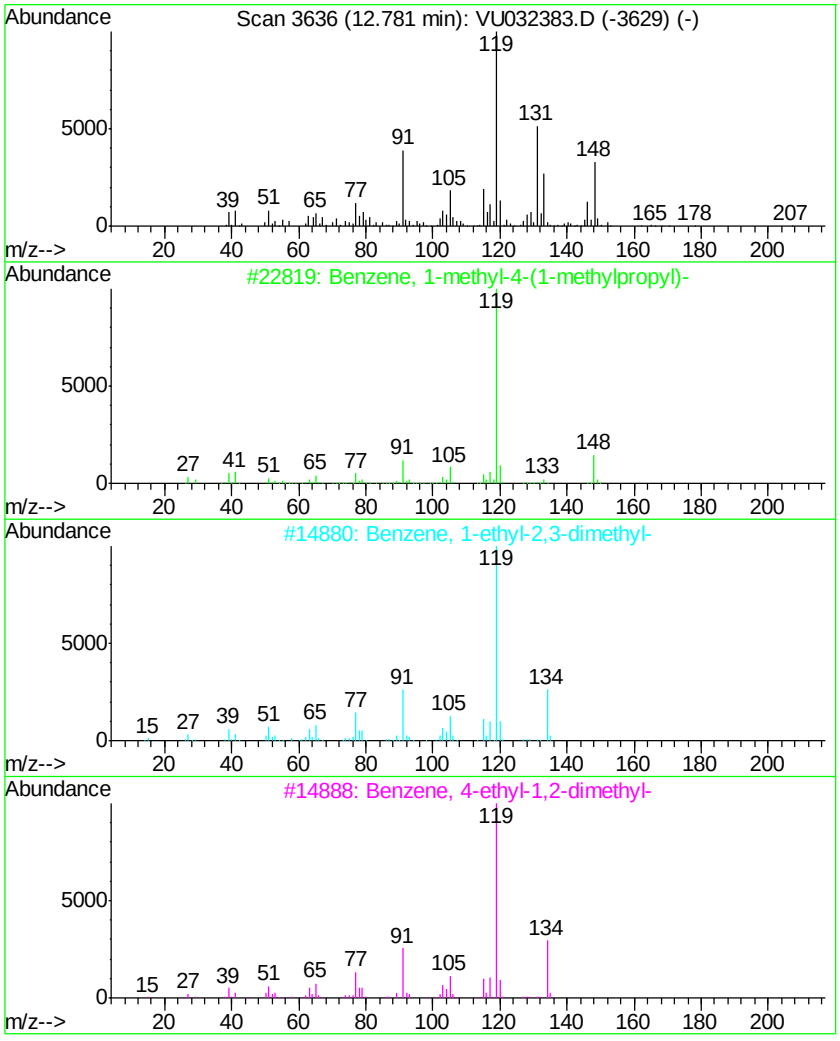
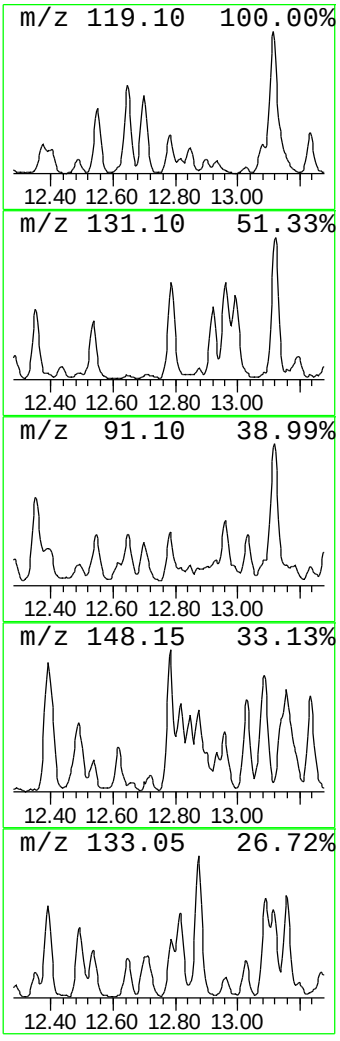
Peak Number 40 Benzene, 1-methyl-4-(1-meth... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	9.54 ug/L	458613	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	55
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	50
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	50
5	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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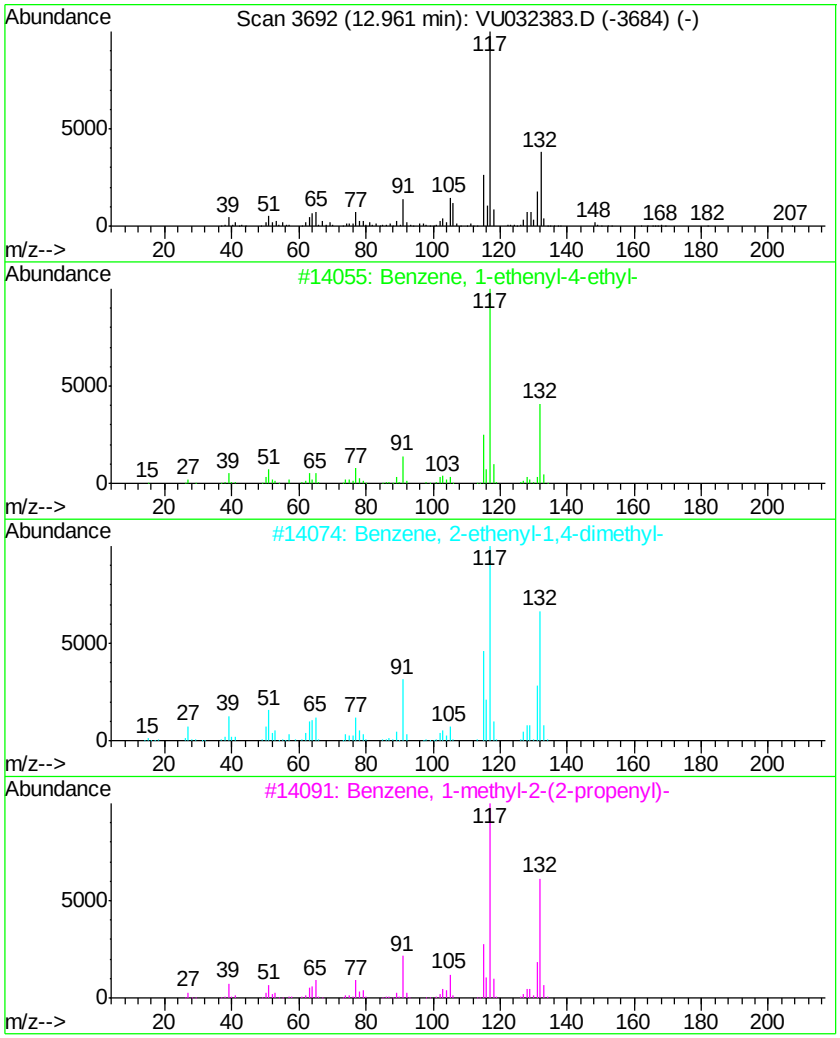
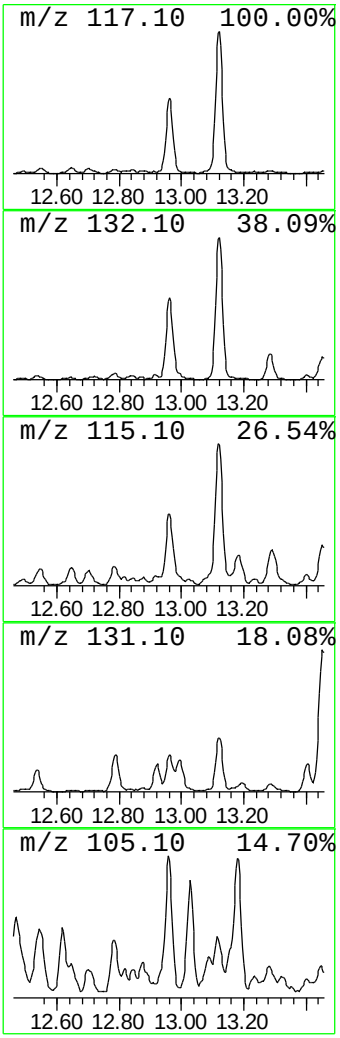
Peak Number 41 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.96	16.49 ug/L	792476	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	90
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	87
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

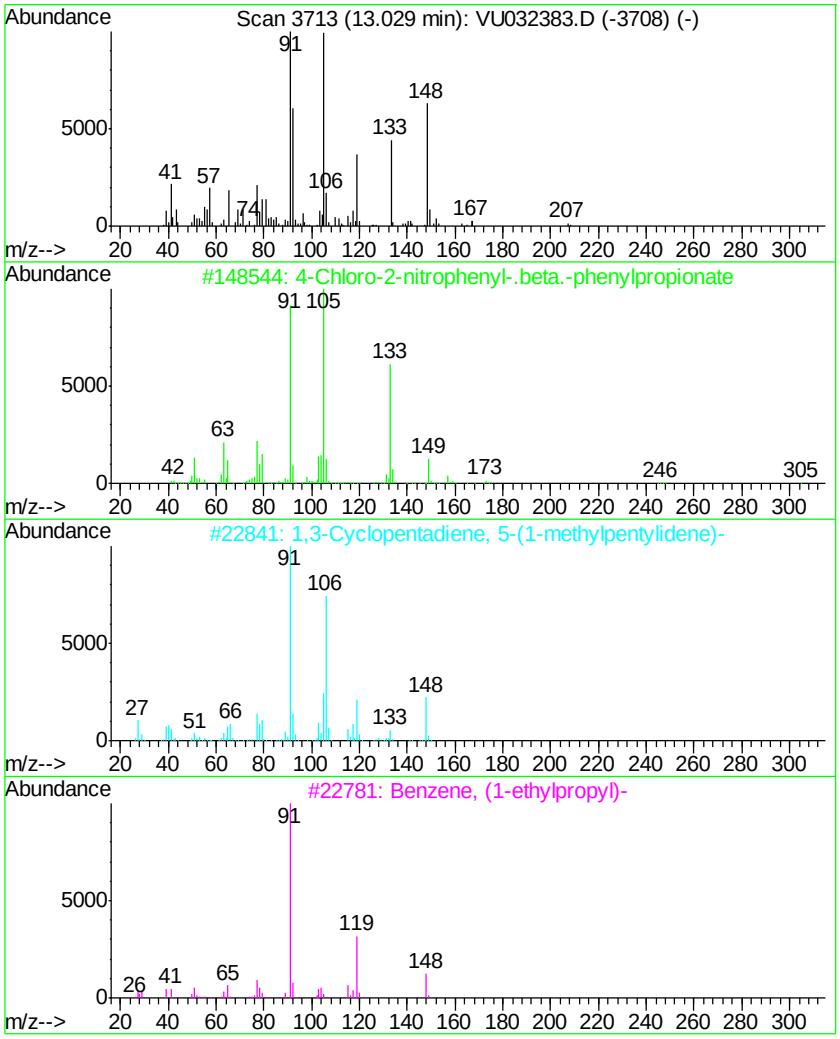
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

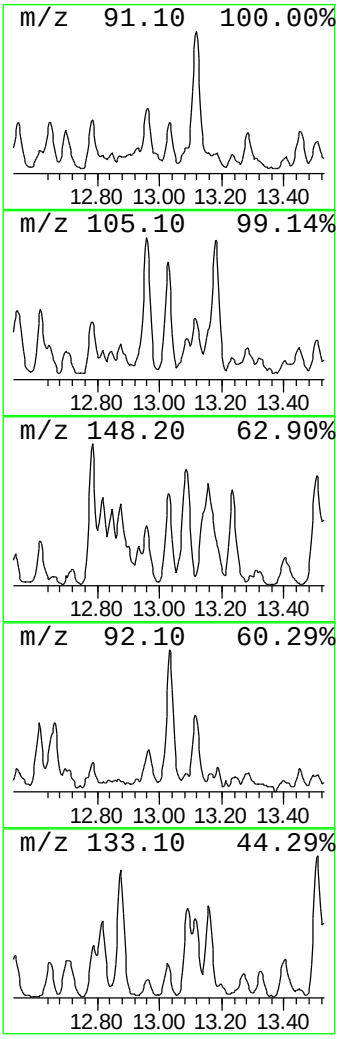
****

Peak Number 42 unknown-02 Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	3.39 ug/L	163109	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-2-nitrophenyl-.beta.-ph...	305	C15H12ClNO4	040123-54-4	43
2	1,3-Cyclopentadiene, 5-(1-methyl...	148	C11H16	061039-45-0	43
3	Benzene, (1-ethylpropyl)-	148	C11H16	001196-58-3	41
4	2-Isopropylbenzaldehyde	148	C10H12O	006502-22-3	38
5	Benzene, (3-methylbutyl)-	148	C11H16	002049-94-7	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

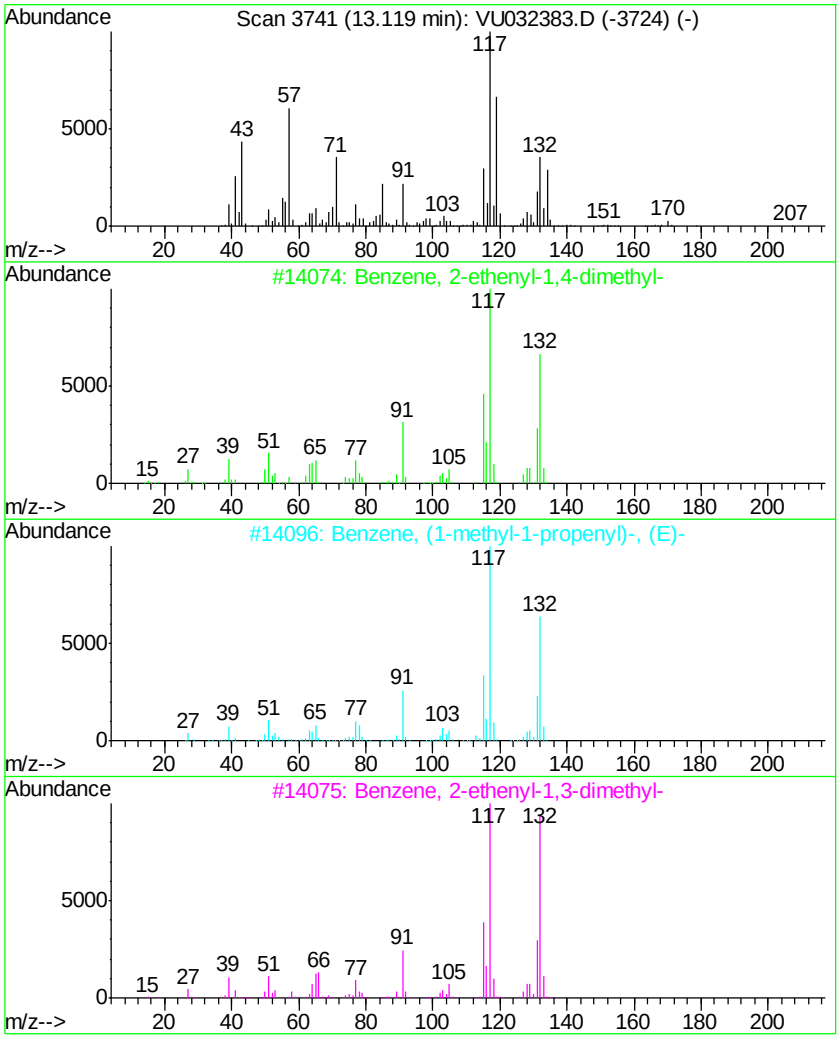
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

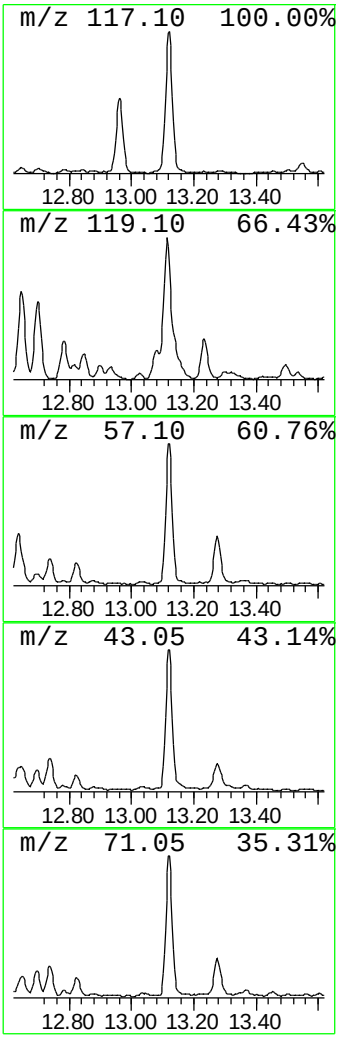
****

Peak Number 43 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	71.56 ug/L	3438360	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	93
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	60
3	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	60
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	60
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

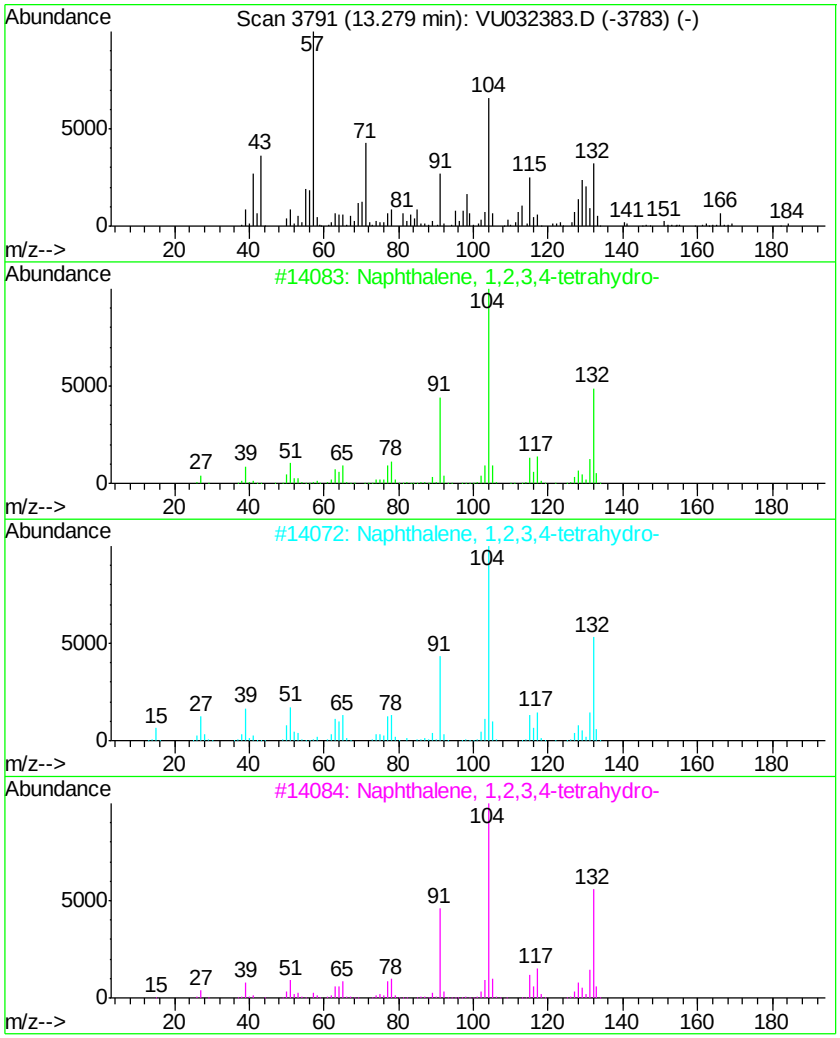
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

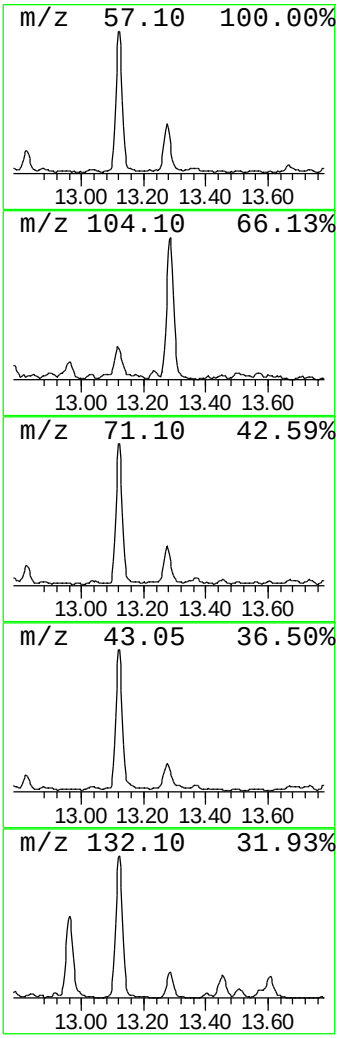
****

Peak Number 44 unknown-03 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	19.78 ug/L	950411	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	46
2	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	46
3	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	46
4	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	30
5	Benzene, cyclobutyl-	132	C10H12	004392-30-7	27





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Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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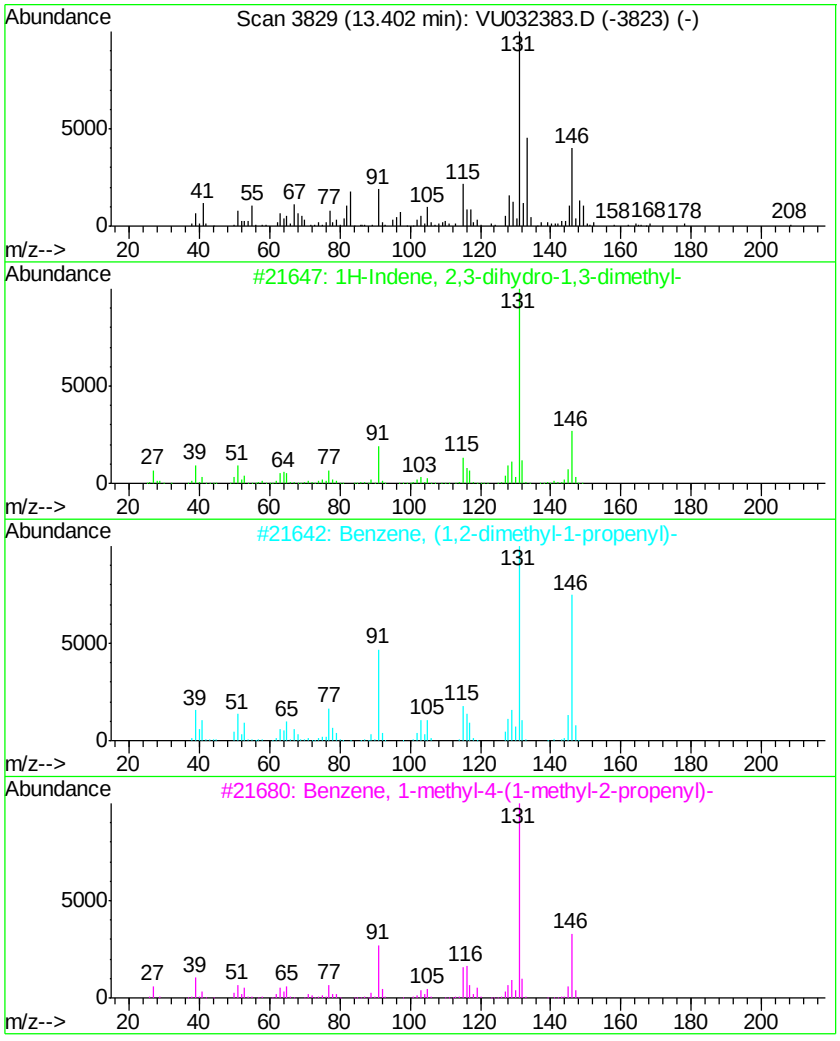
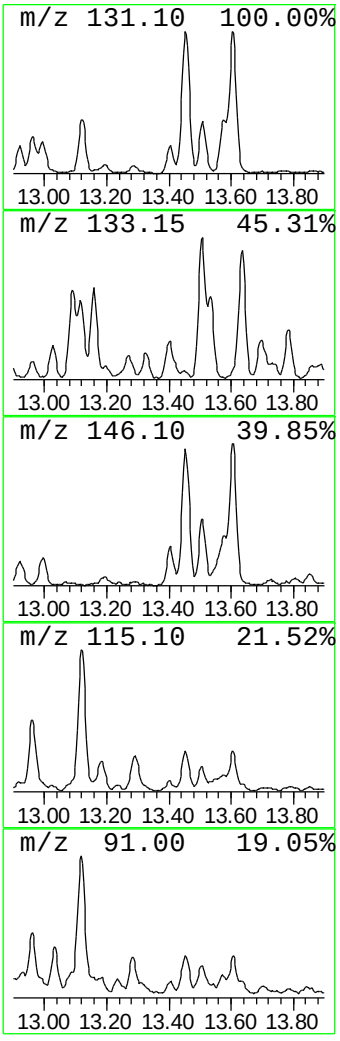
Peak Number 45 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	3.17 ug/L	152402	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	86
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	86
3	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	70
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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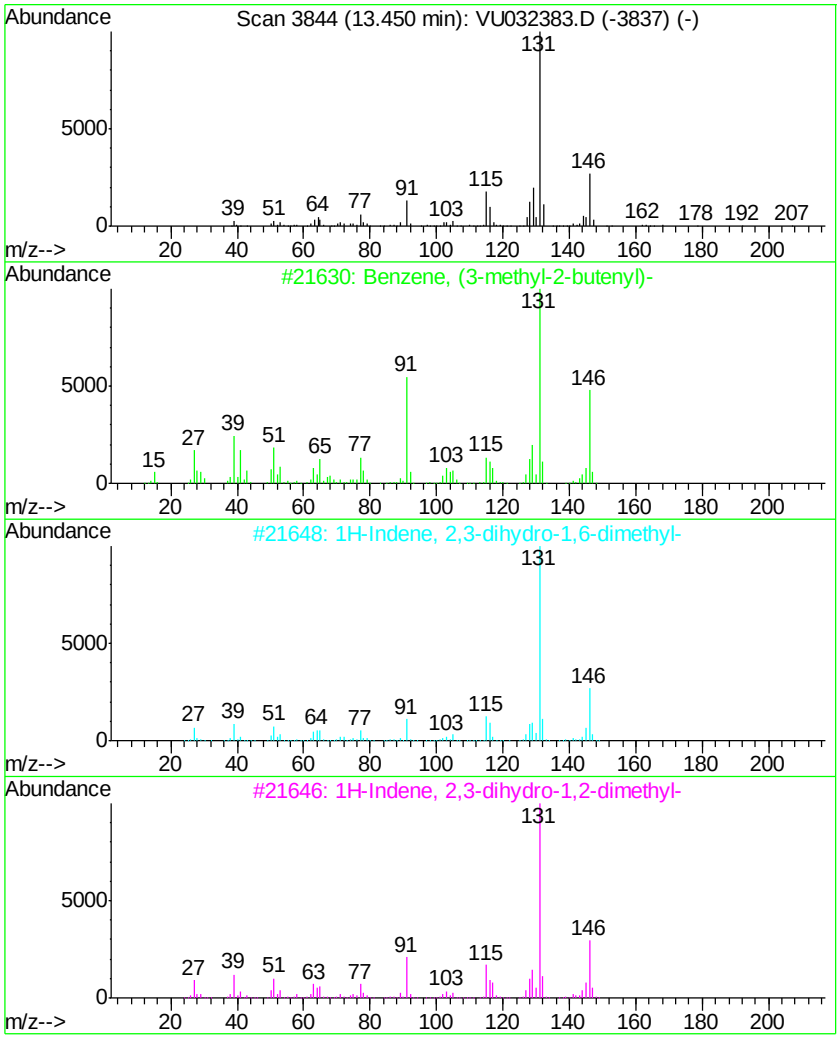
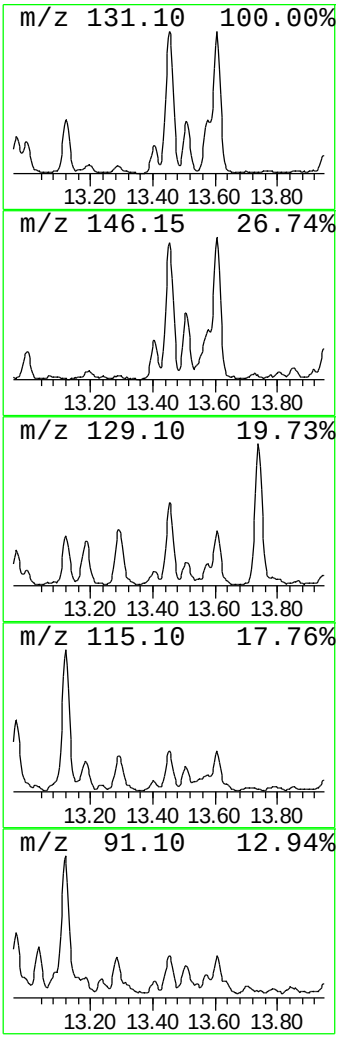
Peak Number 46 Benzene, (3-methyl-2-butenyl)- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	10.42 ug/L	500768	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

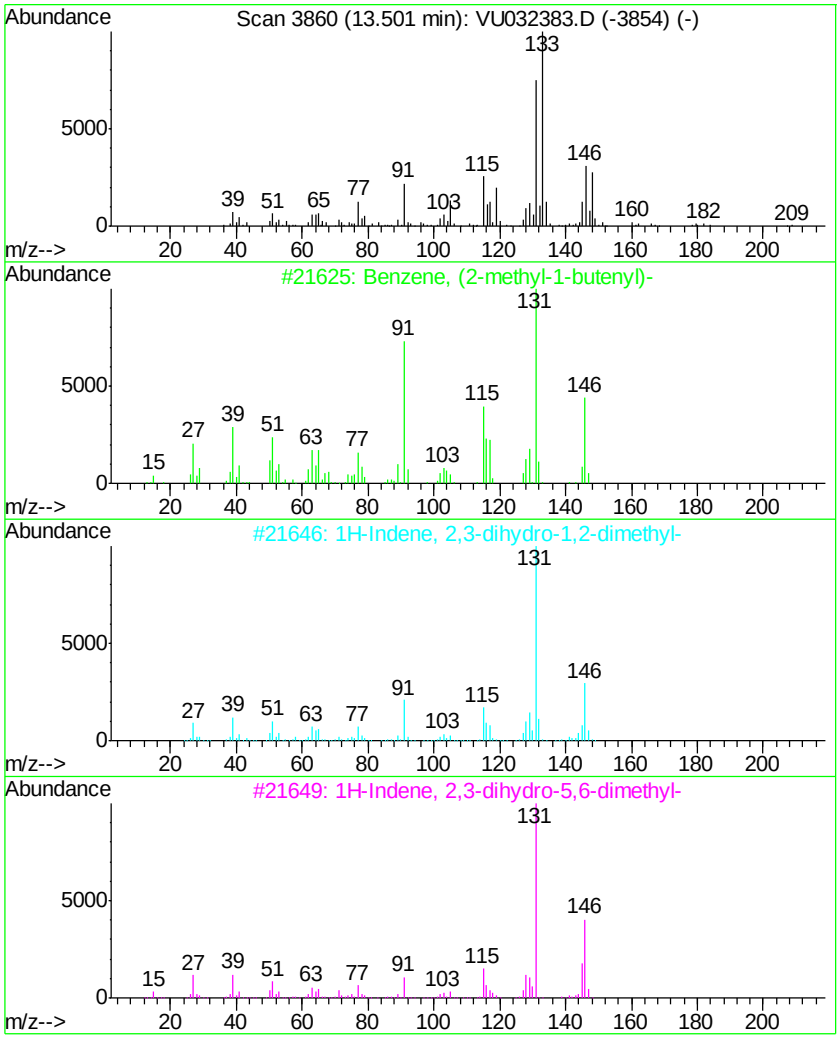
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

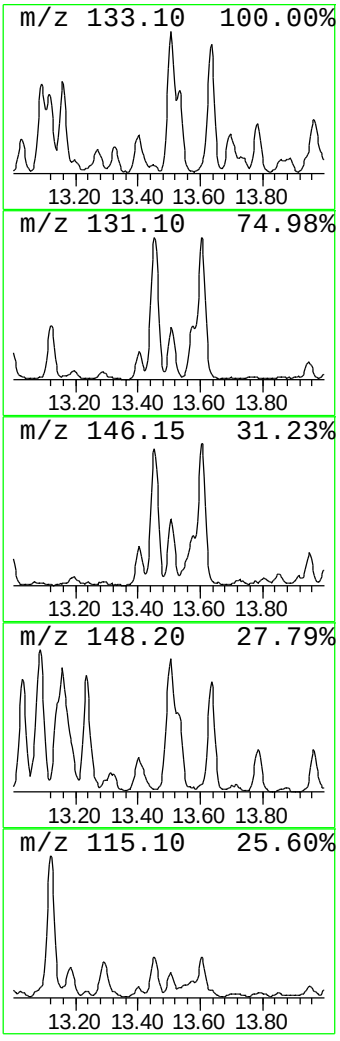
****

Peak Number 47 Benzene, (2-methyl-1-butenyl)- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.50	7.22 ug/L	347162	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
3	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	50
4	1,3-Cyclopentadiene, 5-(trans-2-...	146	C11H14	079209-36-2	50
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	50





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Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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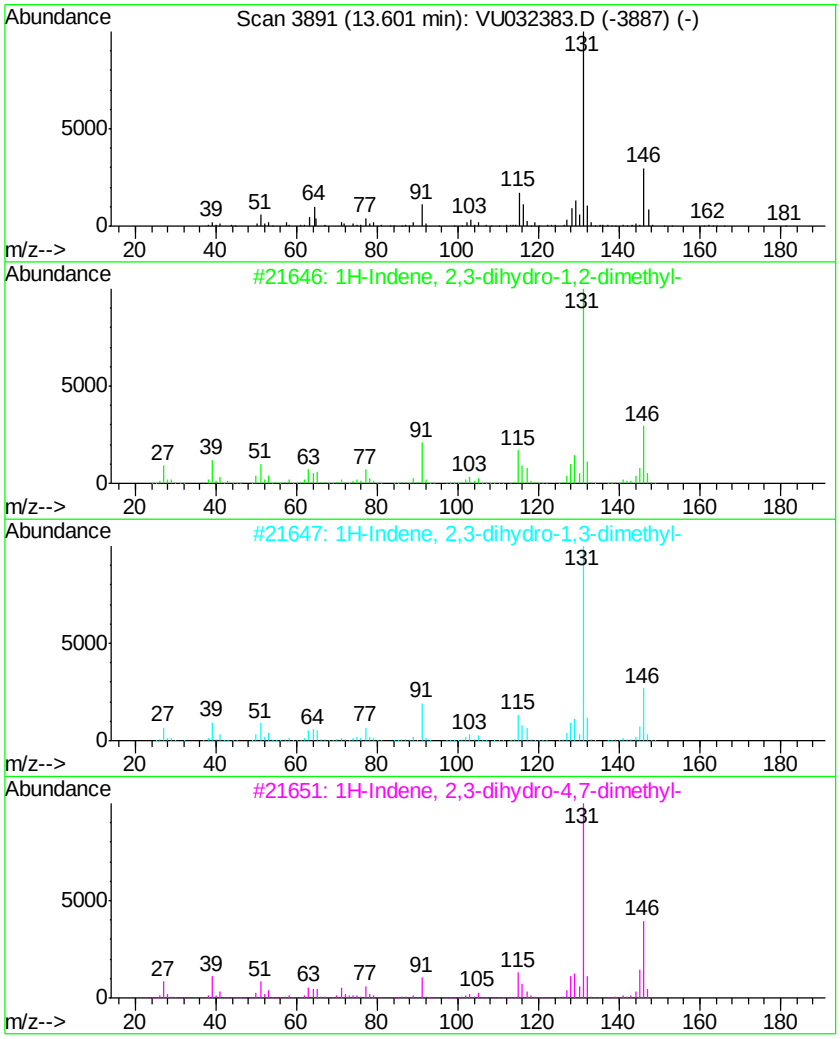
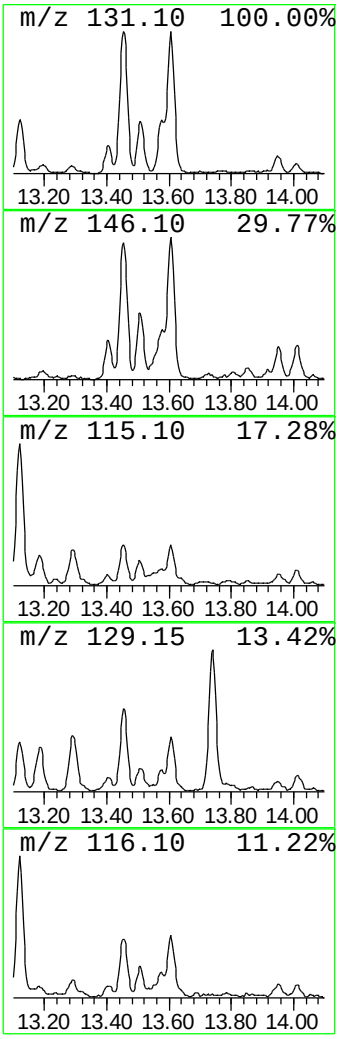
Peak Number 48 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.60	5.14 ug/L	247053	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	91
2	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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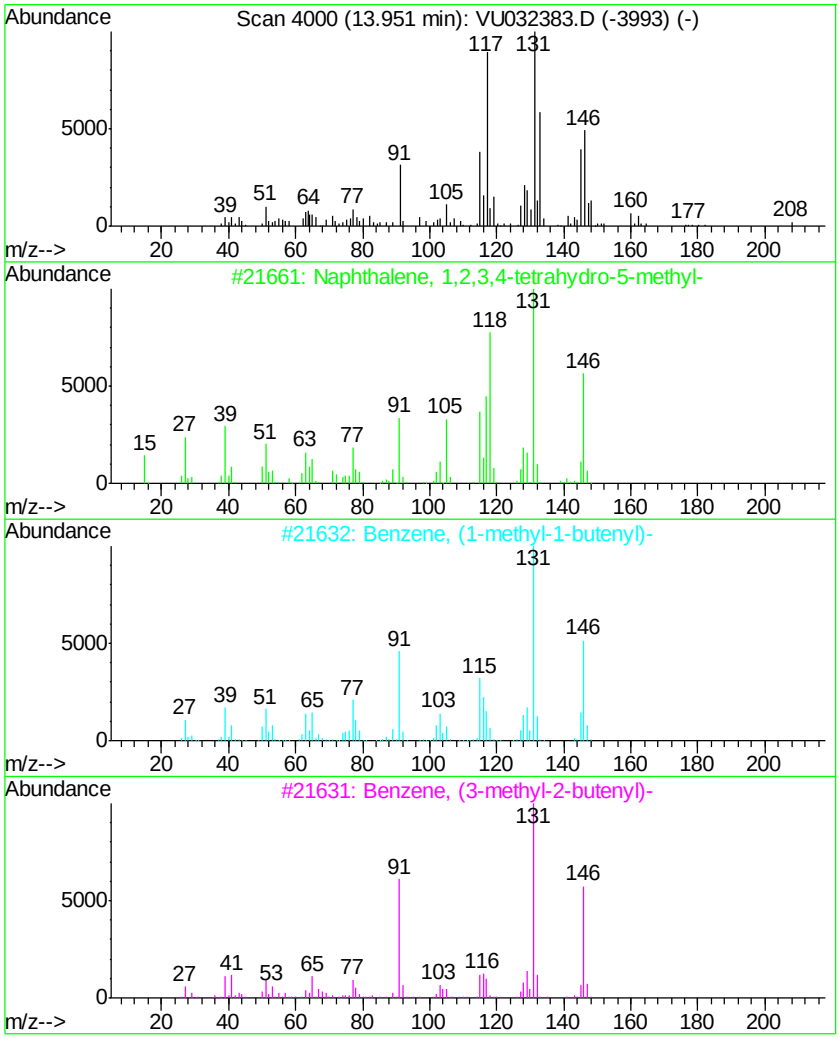
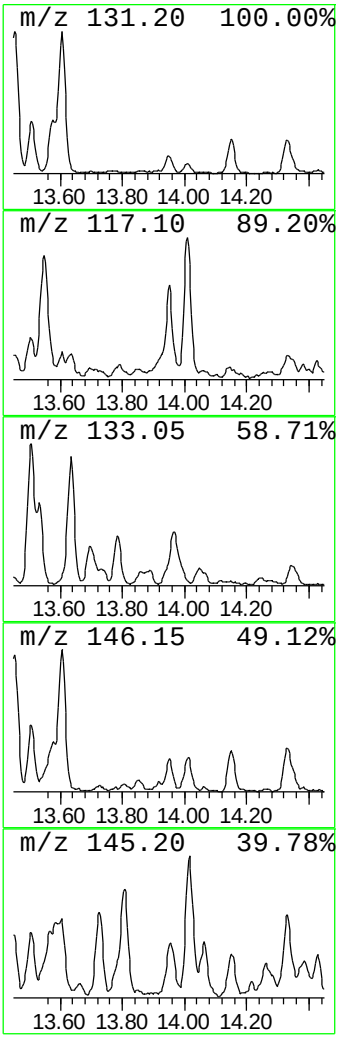
Peak Number 50 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	3.24 ug/L	155841	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	64
2	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	50
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	43
4	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	43
5	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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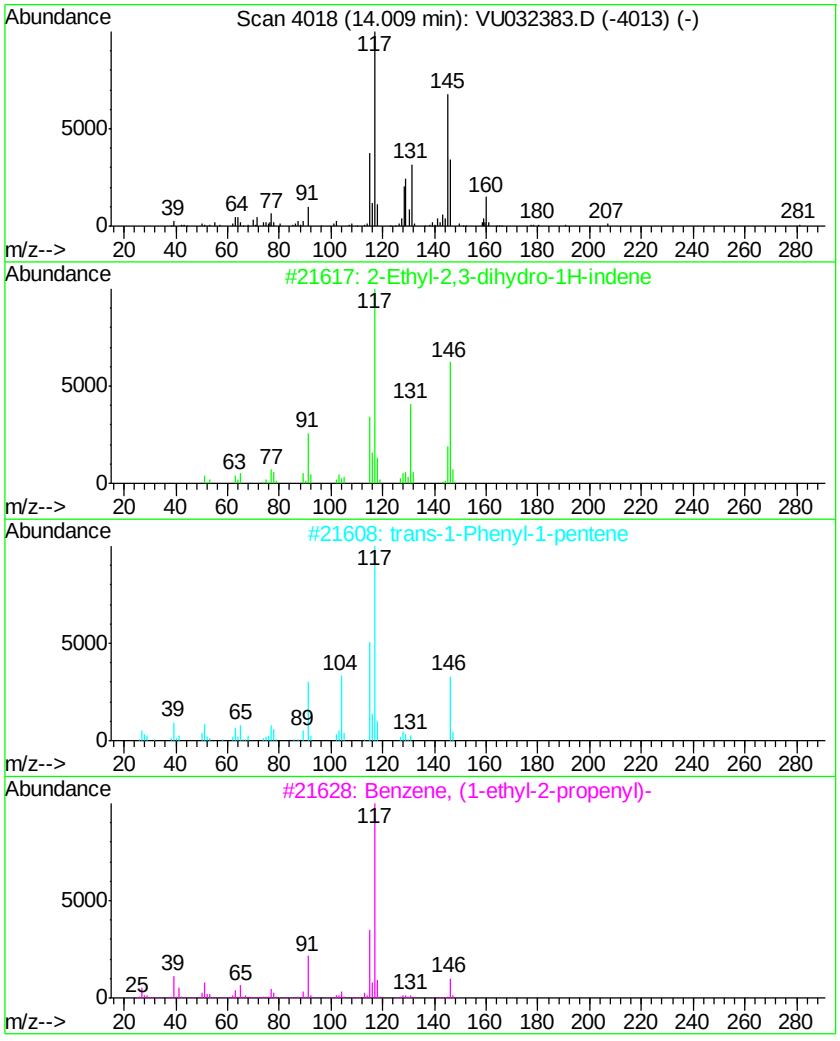
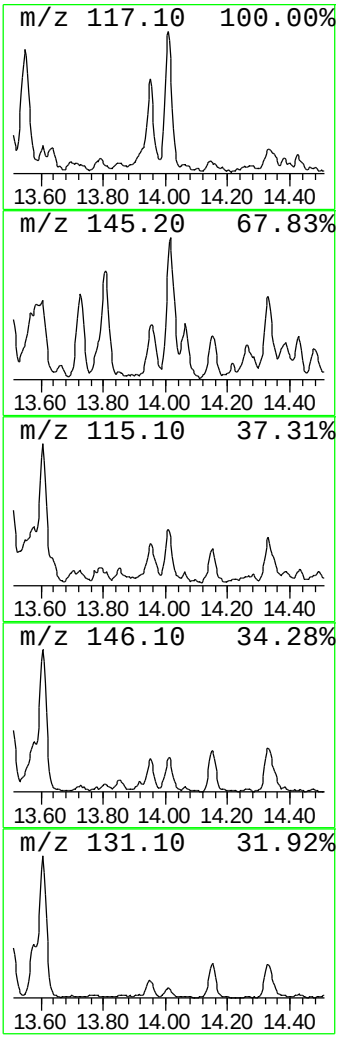
Peak Number 51 2-Ethyl-2,3-dihydro-1H-indene Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.01	2.64 ug/L	126855	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-2,3-dihydro-1H-indene	146	C11H14	056147-63-8	53
2	trans-1-Phenyl-1-pentene	146	C11H14	016002-93-0	46
3	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	46
4	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	46
5	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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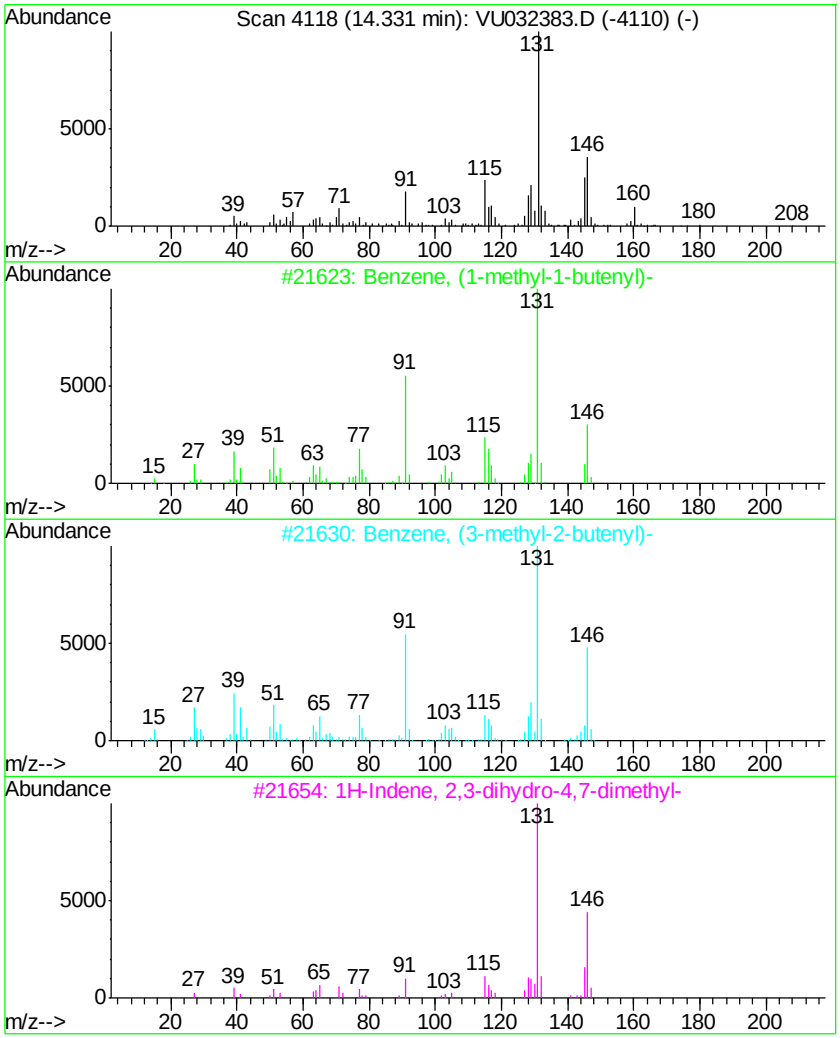
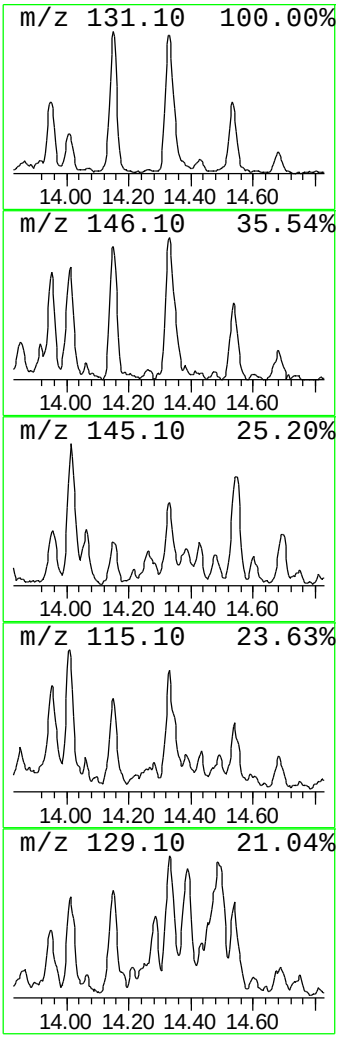
Peak Number 53 Benzene, (1-methyl-1-butenyl)- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	4.92 ug/L	236490	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	83
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	81
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	76
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	74





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Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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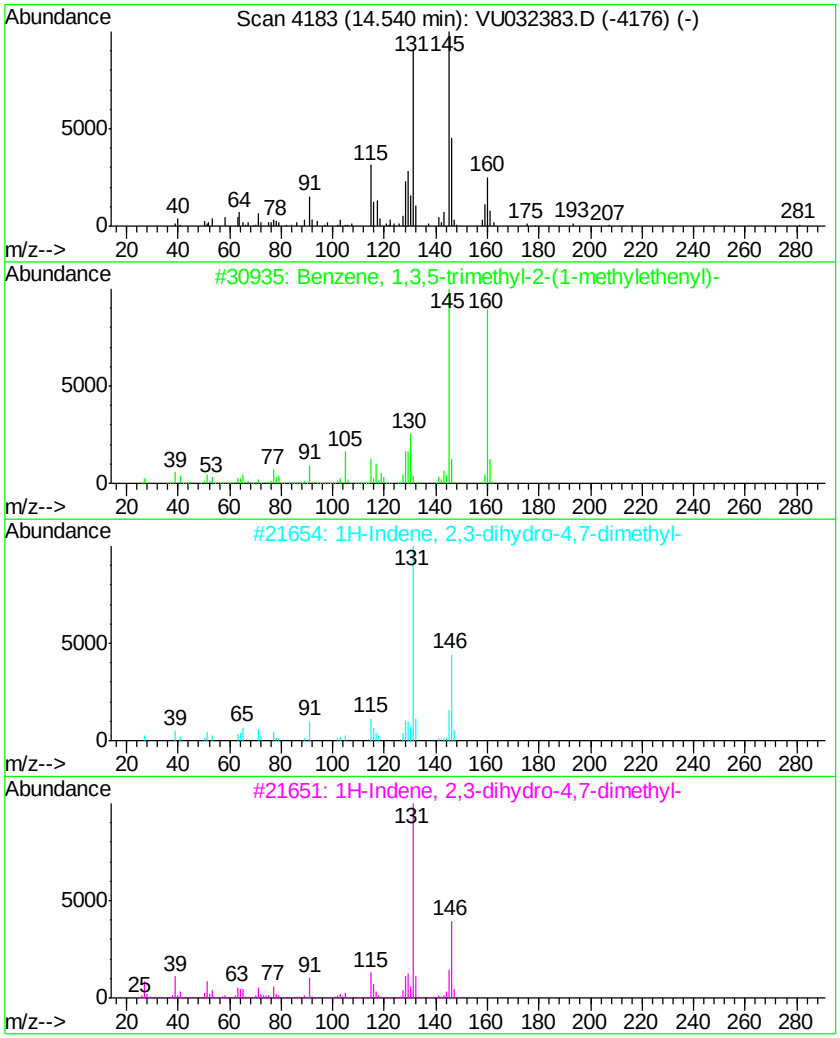
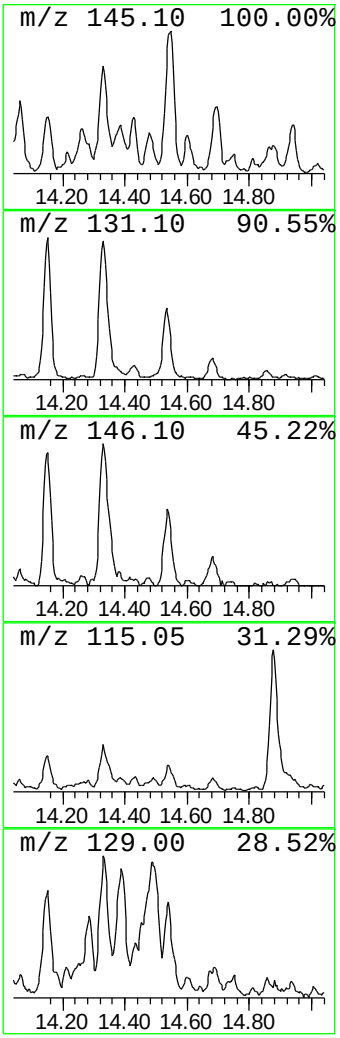
Peak Number 54 unknown-04 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	2.87 ug/L	137720	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	49
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	46
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	43
4	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	43
5	Naphthalene, 5-ethyl-1,2,3,4-tet...	160	C12H16	042775-75-7	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

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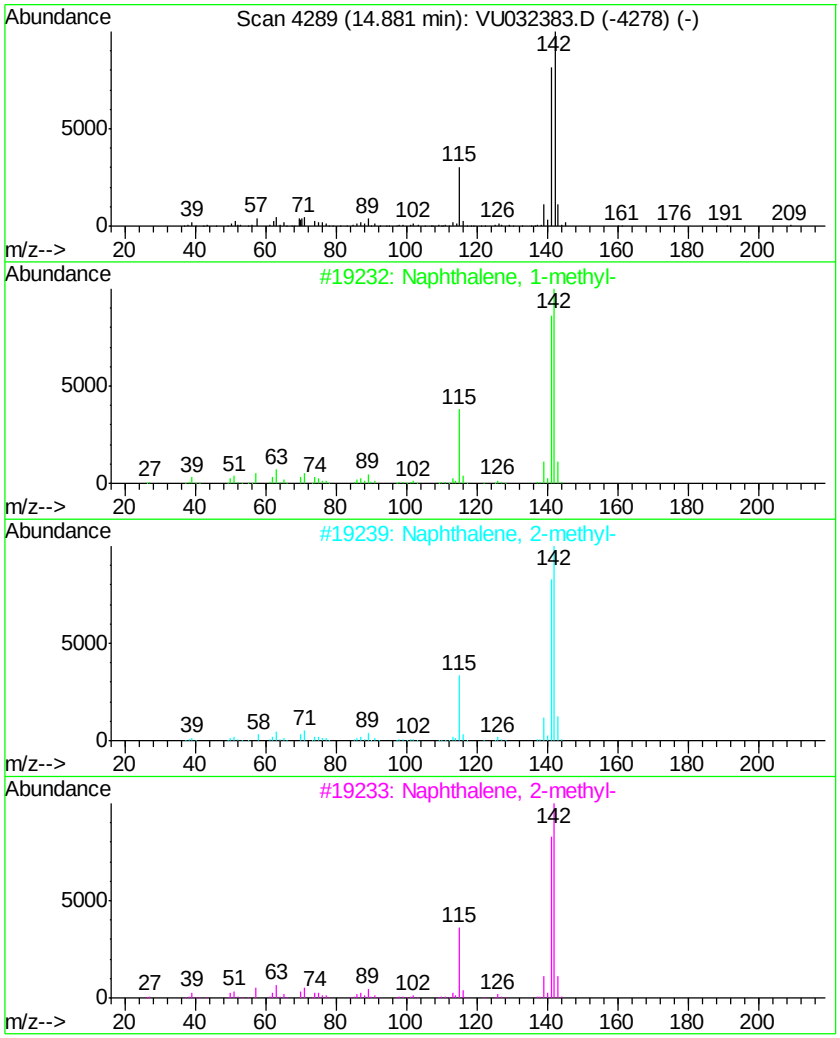
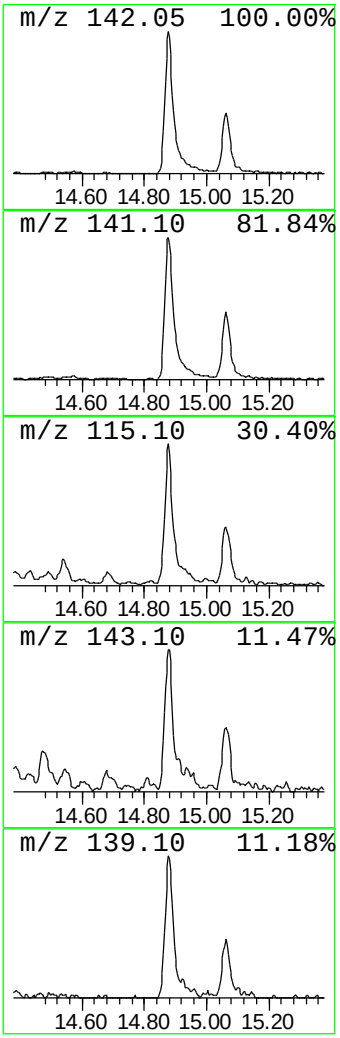
Peak Number 55 Naphthalene, 1-methyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	10.11 ug/L	485739	1,4-Dichlorobenzene-d4	11.48

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	91
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU053019\
Data File : VU032383.D
Acq On : 30 May 2019 15:49
Operator : JC/SP
Sample : K3081-04
Misc : 7.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALD4

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM052819WMA.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Cyc...	7.91	4.7	ug/L	196081	2	9.09	2105130	50.0
Cyclohexane, 1,1'...	8.54	4.8	ug/L	202371	2	9.09	2105130	50.0
(DEL) Alkane: Cyc...	8.60	9.9	ug/L	415810	2	9.09	2105130	50.0
(DEL) Alkane: Cyc...	8.75	5.5	ug/L	231454	2	9.09	2105130	50.0
(DEL) Alkane: Cyc...	8.84	5.6	ug/L	236468	2	9.09	2105130	50.0
(DEL) Alkane: Str...	8.90	6.5	ug/L	273174	2	9.09	2105130	50.0
(DEL) Alkane: Str...	9.03	12.1	ug/L	507464	2	9.09	2105130	50.0
(DEL) Alkane: Cyc...	9.44	13.3	ug/L	559230	2	9.09	2105130	50.0
Cyclohexene,3-pro...	9.57	6.3	ug/L	265057	2	9.09	2105130	50.0
(DEL) Alkane: Cyc...	9.71	18.0	ug/L	756141	2	9.09	2105130	50.0
(DEL) Alkane: Str...	9.95	41.7	ug/L	1754980	2	9.09	2105130	50.0
(DEL) Alkane: Cyc...	10.04	19.2	ug/L	807832	2	9.09	2105130	50.0
unknown-01	10.25	5.3	ug/L	223917	2	9.09	2105130	50.0
(DEL) Alkane: Str...	10.32	20.6	ug/L	988078	3	11.48	2402580	50.0
Benzene, propyl-	10.59	5.5	ug/L	263312	3	11.48	2402580	50.0
Benzene, 1-ethyl-...	10.69	6.3	ug/L	303793	3	11.48	2402580	50.0
(DEL) Alkane: Cyc...	10.75	18.2	ug/L	874540	3	11.48	2402580	50.0
(DEL) Alkane: Str...	10.81	21.3	ug/L	1021740	3	11.48	2402580	50.0
(DEL) Alkane: Str...	11.06	4.8	ug/L	232493	3	11.48	2402580	50.0
(DEL) Alkane: Str...	11.11	18.6	ug/L	891954	3	11.48	2402580	50.0
(DEL) Alkane: Str...	11.33	13.1	ug/L	627996	3	11.48	2402580	50.0
(DEL) Alkane: Cyc...	11.40	19.1	ug/L	918049	3	11.48	2402580	50.0
Benzene, 1,2,3-tr...	11.57	20.7	ug/L	996175	3	11.48	2402580	50.0
(DEL) Alkane: Str...	11.61	7.4	ug/L	356845	3	11.48	2402580	50.0
(DEL) Alkane: Str...	11.70	7.5	ug/L	361329	3	11.48	2402580	50.0
Benzene, 1,2-diet...	11.77	24.4	ug/L	1170550	3	11.48	2402580	50.0
(DEL) Alkane: Str...	12.02	22.6	ug/L	1085920	3	11.48	2402580	50.0
Benzene, 2-ethyl-...	12.14	6.2	ug/L	296201	3	11.48	2402580	50.0
Benzene, 1-methyl...	12.18	8.3	ug/L	398551	3	11.48	2402580	50.0
Benzene, 1-ethyl-...	12.25	21.8	ug/L	1047190	3	11.48	2402580	50.0
Benzene, 1-etheny...	12.35	28.4	ug/L	1364200	3	11.48	2402580	50.0
(DEL) Alkane: Cyc...	12.61	11.8	ug/L	565821	3	11.48	2402580	50.0
Benzene, 1,2,3,5-...	12.65	15.5	ug/L	743487	3	11.48	2402580	50.0
Benzene, 1,2,4,5-...	12.70	20.4	ug/L	982016	3	11.48	2402580	50.0
Benzene, 1-methyl...	12.78	9.5	ug/L	458613	3	11.48	2402580	50.0
Benzene, 1-etheny...	12.96	16.5	ug/L	792476	3	11.48	2402580	50.0
unknown-02	13.03	3.4	ug/L	163109	3	11.48	2402580	50.0
Benzene, 2-etheny...	13.12	71.6	ug/L	3438360	3	11.48	2402580	50.0
unknown-03	13.28	19.8	ug/L	950411	3	11.48	2402580	50.0
1H-Indene, 2,3-di...	13.40	3.2	ug/L	152402	3	11.48	2402580	50.0
Benzene, (3-methy...	13.45	10.4	ug/L	500768	3	11.48	2402580	50.0
Benzene, (2-methy...	13.50	7.2	ug/L	347162	3	11.48	2402580	50.0
1H-Indene, 2,3-di...	13.60	5.1	ug/L	247053	3	11.48	2402580	50.0
Naphthalene, 1,2,...	13.95	3.2	ug/L	155841	3	11.48	2402580	50.0
2-Ethyl-2,3-dihyd...	14.01	2.6	ug/L	126855	3	11.48	2402580	50.0
Benzene, (1-methy...	14.33	4.9	ug/L	236490	3	11.48	2402580	50.0
unknown-04	14.54	2.9	ug/L	137720	3	11.48	2402580	50.0
Naphthalene, 1-me...	14.88	10.1	ug/L	485739	3	11.48	2402580	50.0