LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

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\SOMUTR110419WMA.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	1.617	78	86	94	rBV	122781	136579	1.45%	0.220%
2	1.935	177	185	198	rVB	100377	129037	1.37%	0.208%
3	2.015	198	210	237	rBV	6998619	9447435	100.00%	15.222%
4	2.227	265	276	301	rBV	1358657	1911992	20.24%	3.081%
5	2.623	380	399	429	rVB2	656812	1542400	16.33%	2.485%
6	3.073	525	539	545	rBV	829309	1773087	18.77%	2.857%
7	3.112	546	551	563	rVB	861781	1498898	15.87%	2.415%
8	3.395	621	639	665	rBV2	1005386	2254795	23.87%	3.633%
9	3.613	689	707	728	rVB3	64973	158528	1.68%	0.255%
10	3.739	729	746	767	rBV2	171197	383047	4.05%	0.617%
11	3.877	773	789	801	rBV3	51954	126173	1.34%	0.203%
12	3.961	801	815	824	rVV2	87537	216105	2.29%	0.348%
13	4.022	825	834	851	rVB2	107931	258501	2.74%	0.417%
14	4.137	854	870	886	rBV2	73467	184410	1.95%	0.297%
15	4.237	886	901	916	rBV4	50384	121095	1.28%	0.195%
16	4.382	923	946	960	rBV3	104316	279667	2.96%	0.451%
17	4.478	961	976	990	rVV2	151148	371023	3.93%	0.598%
18	4.575	990	1006	1023	rVV	883540	2104069	22.27%	3.390%
19	4.700	1024	1045	1081	rVB	170798	530117	5.61%	0.854%
20	5.115	1160	1174	1185	rBV	162840	369389	3.91%	0.595%
21	5.430	1253	1272	1283	rBV3	425023	1033290	10.94%	1.665%
22	5.504	1283	1295	1315	rVB	394566	953881	10.10%	1.537%
23	5.632	1321	1335	1343	rBV3	86709	194006	2.05%	0.313%
24	5.771	1361	1378	1390	rBV2	329396	823616	8.72%	1.327%
25	5.890	1403	1415	1421	rBV2	176044	351596	3.72%	0.567%
26	5.941	1421	1431	1447	rVV2	447859	1192813	12.63%	1.922%
27	6.028	1448	1458	1470	rVB3	104835	227940	2.41%	0.367%
28	6.292	1527	1540	1548	rBV	241926	485380	5.14%	0.782%
29	6.607	1620	1638	1663	rVB6	59881	170851	1.81%	0.275%
30	6.735	1663	1678	1685	rBV	206560	422209	4.47%	0.680%
31	7.292	1837	1851	1867	rVB	180037	368831	3.90%	0.594%
32	7.420	1868	1891	1931	rBV6	219637	625687	6.62%	1.008%
33	7.603	1933	1948	1959	rBV2	100573	212549	2.25%	0.342%
34	7.793	1995	2007	2019	rVB4	53991	105199	1.11%	0.170%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

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\SOMUTR110419WMA.M
Title : TRACE VOA SOM01.0

35	7.935	2041	2051	2063	rVB	363996	620355	6.57%	1.000%
36	8.218	2123	2139	2149	rBV2	51696	107379	1.14%	0.173%
37	8.439	2201	2208	2228	rVB2	63172	115963	1.23%	0.187%
38	8.684	2271	2284	2319	rBV	343913	1038512	10.99%	1.673%
39	9.449	2509	2522	2543	rBV	346846	651905	6.90%	1.050%
40	9.600	2559	2569	2589	rVB	296023	484445	5.13%	0.781%
41	9.722	2594	2607	2637	rBV	680516	1188827	12.58%	1.915%
42	10.131	2720	2734	2759	rVB	75321	136355	1.44%	0.220%
43	10.513	2841	2853	2875	rBV	174430	295345	3.13%	0.476%
44	10.787	2926	2938	2960	rBV	177990	314065	3.32%	0.506%
45	10.935	2970	2984	3000	rBV	769784	1270807	13.45%	2.048%
46	11.025	3000	3012	3031	rVV	1904450	4446914	47.07%	7.165%
47	11.115	3031	3040	3067	rVB	851981	1382808	14.64%	2.228%
48	11.317	3090	3103	3130	rBV	936924	1551145	16.42%	2.499%
49	11.494	3144	3158	3177	rBV	4317172	6811143	72.10%	10.974%
50	11.635	3191	3202	3206	rBV	83885	123836	1.31%	0.200%
51	11.668	3207	3212	3229	rVB	99203	154638	1.64%	0.249%
52	11.838	3252	3265	3280	rVV	409850	768123	8.13%	1.238%
53	11.918	3280	3290	3317	rVB	791391	1278702	13.53%	2.060%
54	12.121	3337	3353	3370	rBV3	699869	1410612	14.93%	2.273%
55	12.214	3370	3382	3405	rVB5	753463	1508995	15.97%	2.431%
56	12.327	3405	3417	3429	rVB2	59277	95769	1.01%	0.154%
57	12.401	3429	3440	3455	rVB	139261	241199	2.55%	0.389%
58	12.488	3455	3467	3472	rBV	248919	389092	4.12%	0.627%
59	12.520	3473	3477	3488	rVB	191898	265333	2.81%	0.428%
60	12.594	3489	3500	3508	rBV	356531	573303	6.07%	0.924%
61	12.635	3508	3513	3524	rVB2	98911	152615	1.62%	0.246%
62	12.706	3524	3535	3553	rBV	300352	539444	5.71%	0.869%
63	12.899	3582	3595	3607	rVB2	78805	138895	1.47%	0.224%
64	12.996	3607	3625	3633	rBV	437247	692999	7.34%	1.117%
65	13.050	3633	3642	3654	rVB	399545	627702	6.64%	1.011%
66	13.317	3716	3725	3750	rVB	219589	387047	4.10%	0.624%
67	13.478	3764	3775	3788	rVB2	499422	820388	8.68%	1.322%
68	13.860	3885	3894	3907	rBV3	105441	188131	1.99%	0.303%
69	13.963	3920	3926	3943	rVB2	113781	216803	2.29%	0.349%
70	14.111	3953	3972	3994	rBV	55466	110300	1.17%	0.178%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

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\SOMUTR110419WMA.M
Title : TRACE VOA SOM01.0

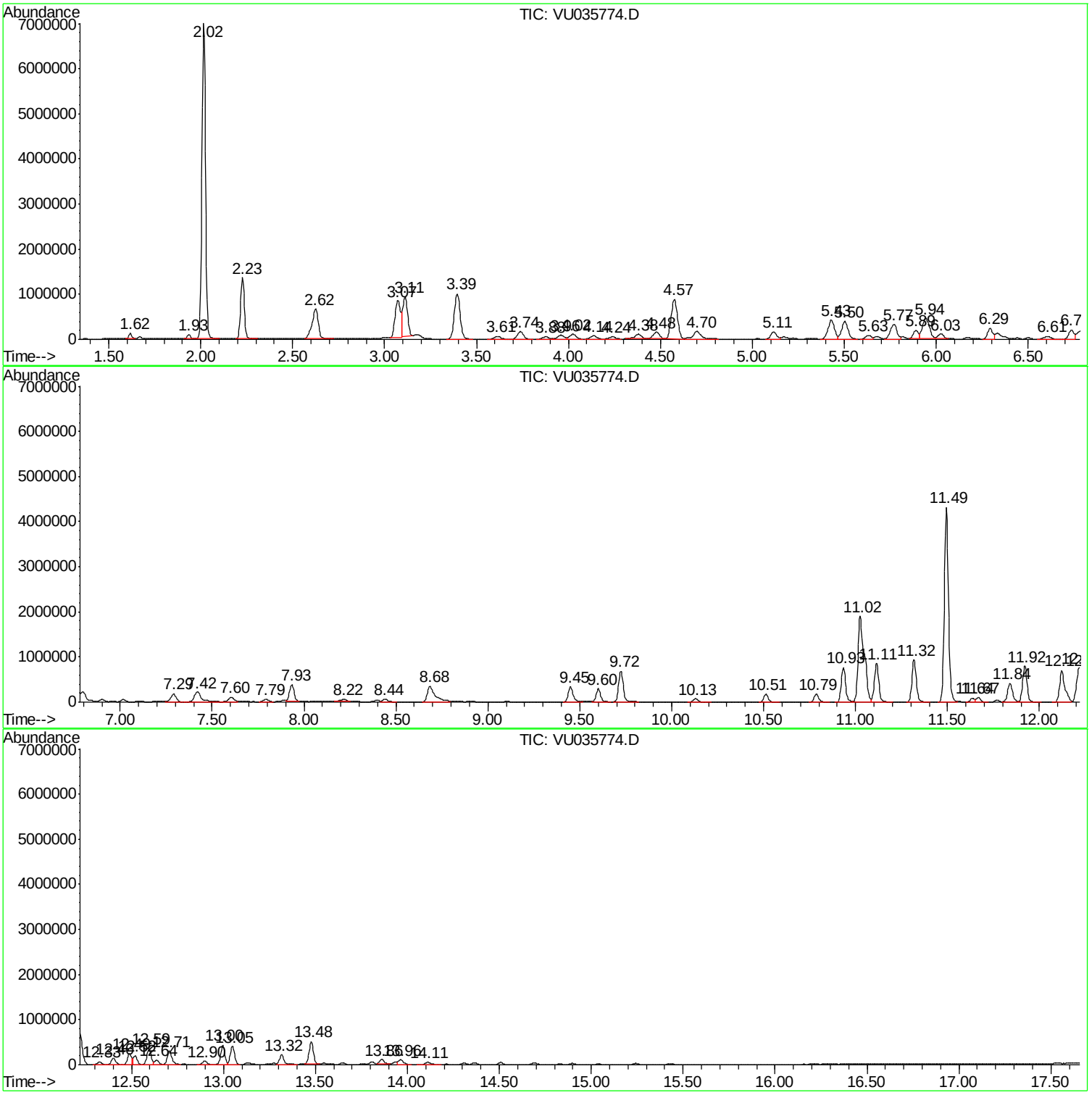
Sum of corrected areas: 62064089

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

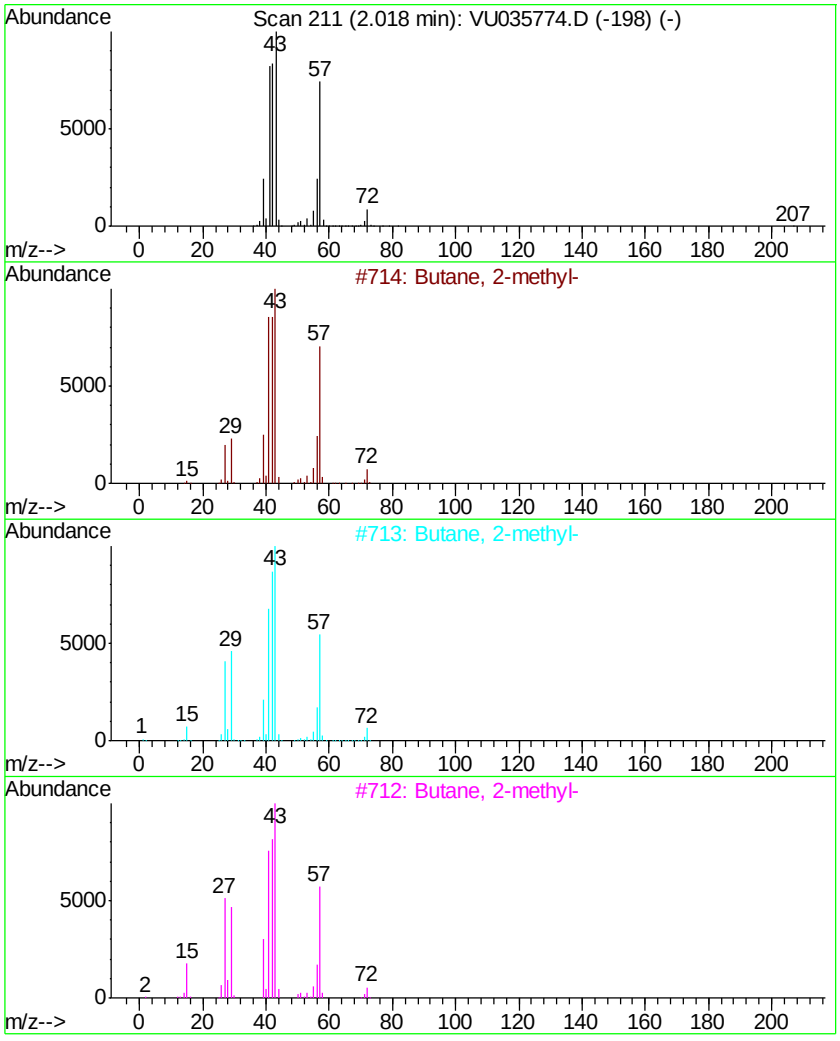
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

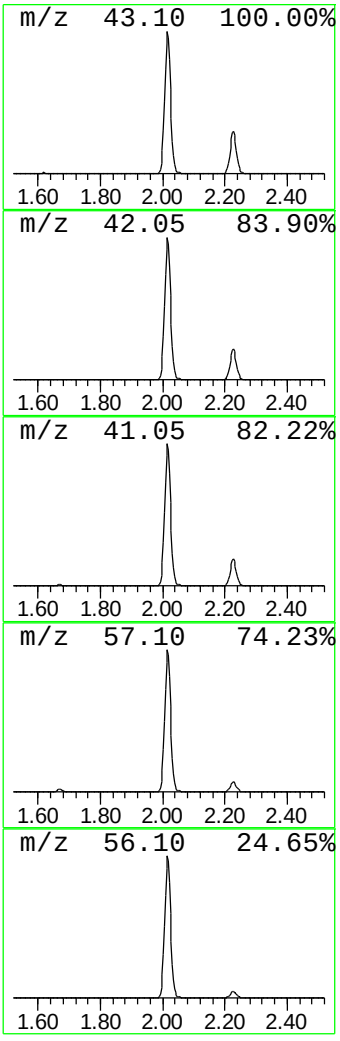
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.02	97.32 ug/L	9447440	1,4-Difluorobenzene	6.29

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	90
4	Pentane	72	C5H12	000109-66-0	42
5	Pentane	72	C5H12	000109-66-0	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

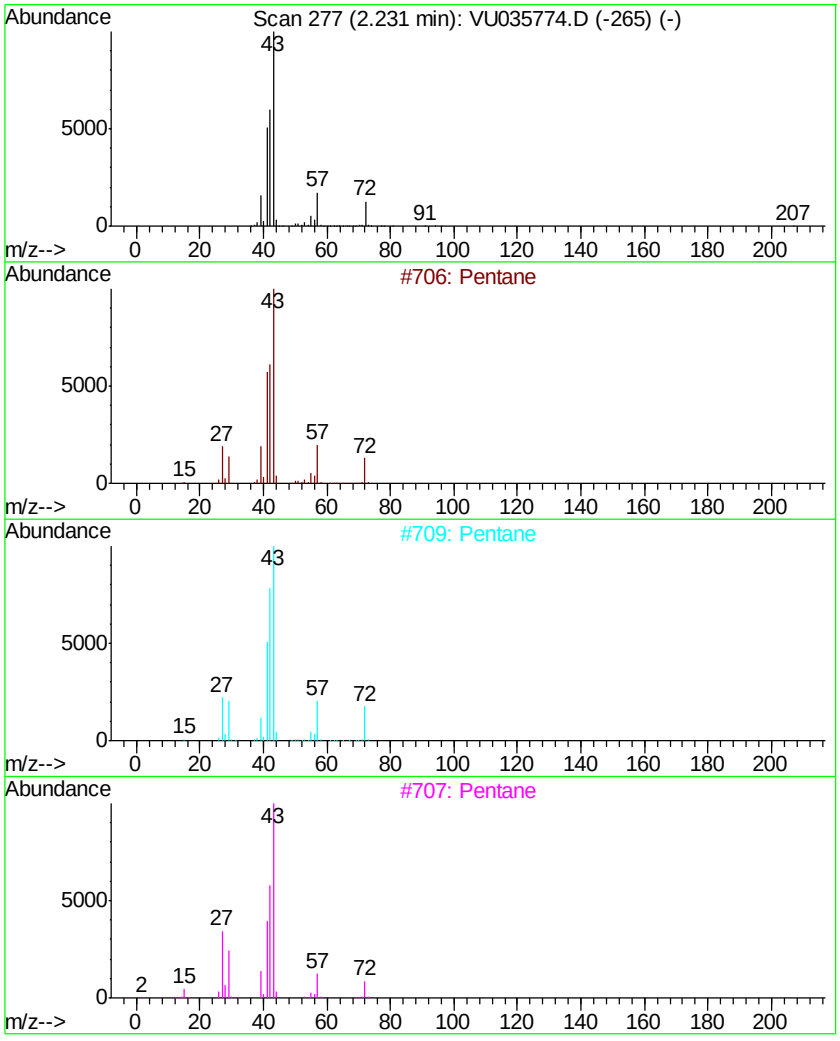
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

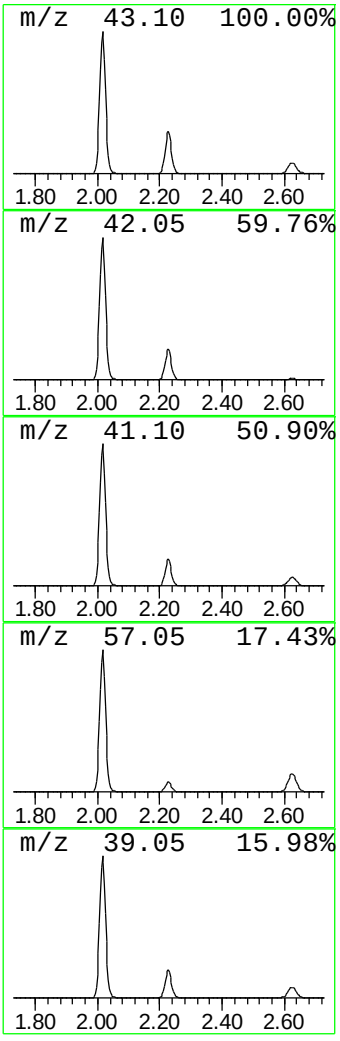
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.23	19.70 ug/L	1911990	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Pentane	72	C5H12	000109-66-0	91
3	Pentane	72	C5H12	000109-66-0	90
4	Pentane	72	C5H12	000109-66-0	90
5	Butane, 2-methyl-	72	C5H12	000078-78-4	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

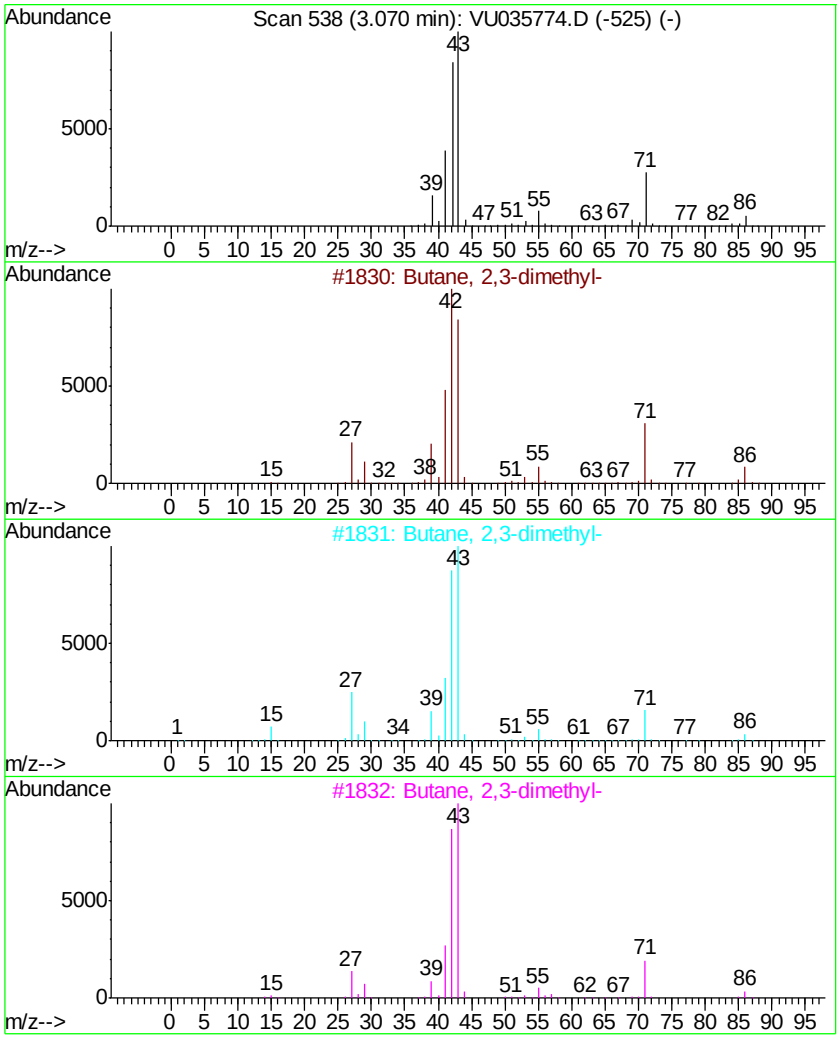
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

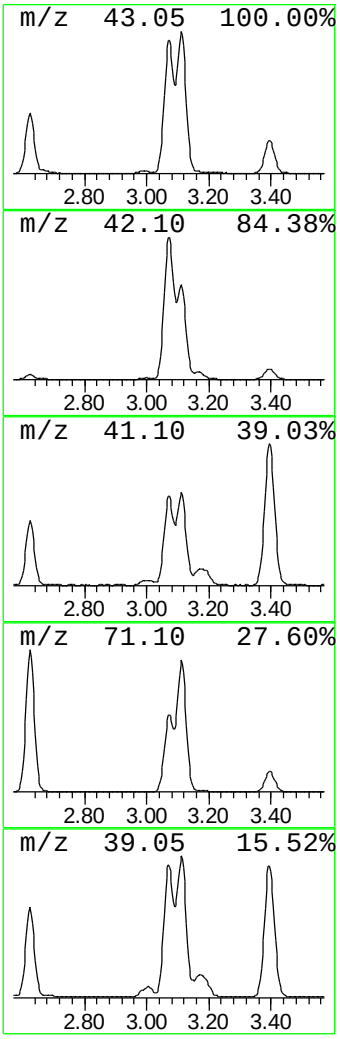
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.07	18.26 ug/L	1773090	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	87
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
3	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	86
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	58
5	Pentane, 2-methyl-	86	C6H14	000107-83-5	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

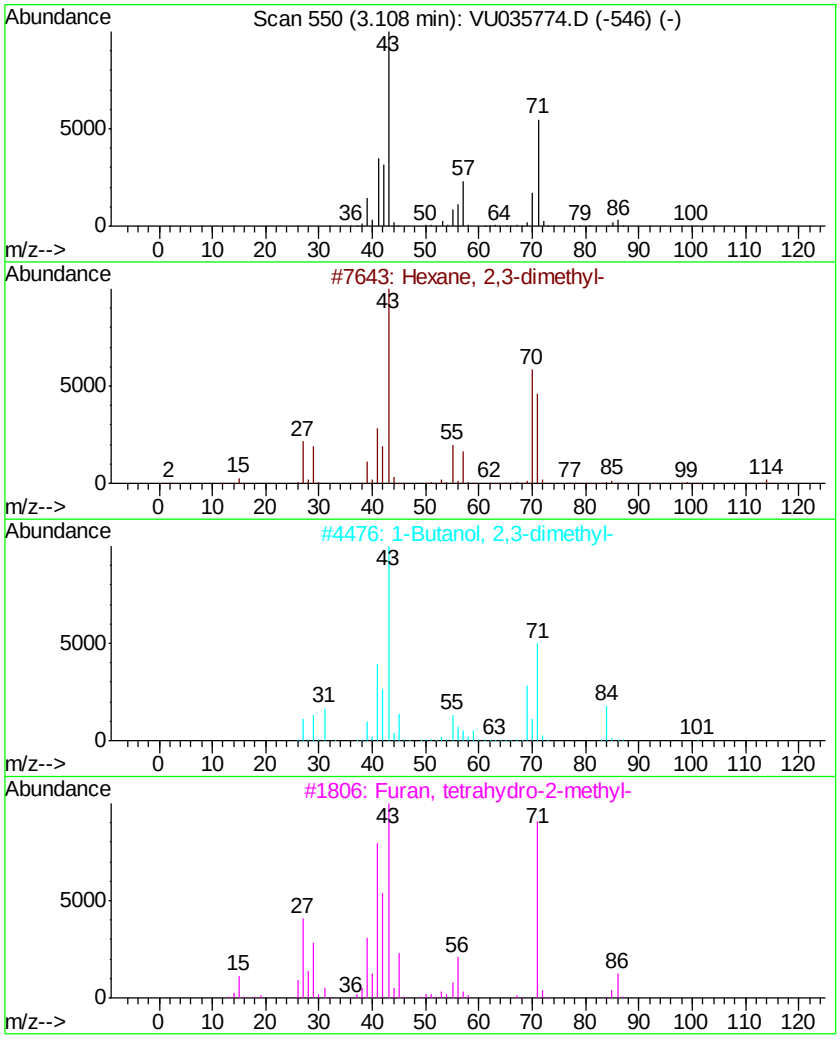
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

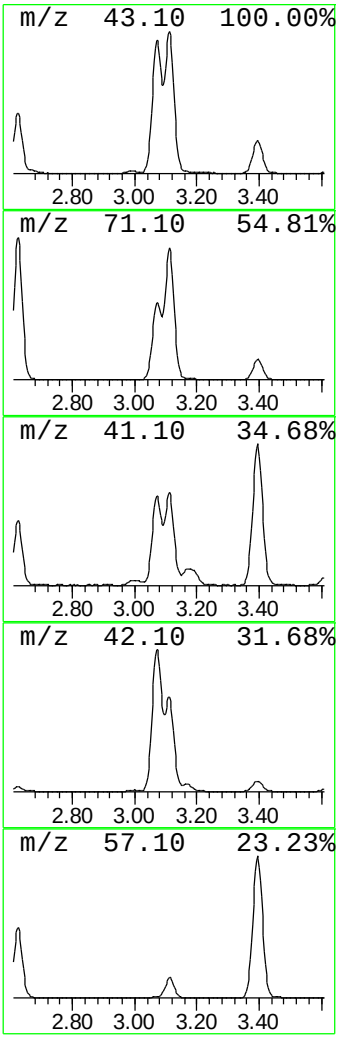
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.11	15.44 ug/L	1498900	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53
2	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	43
3	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	38
4	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	38
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	28





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

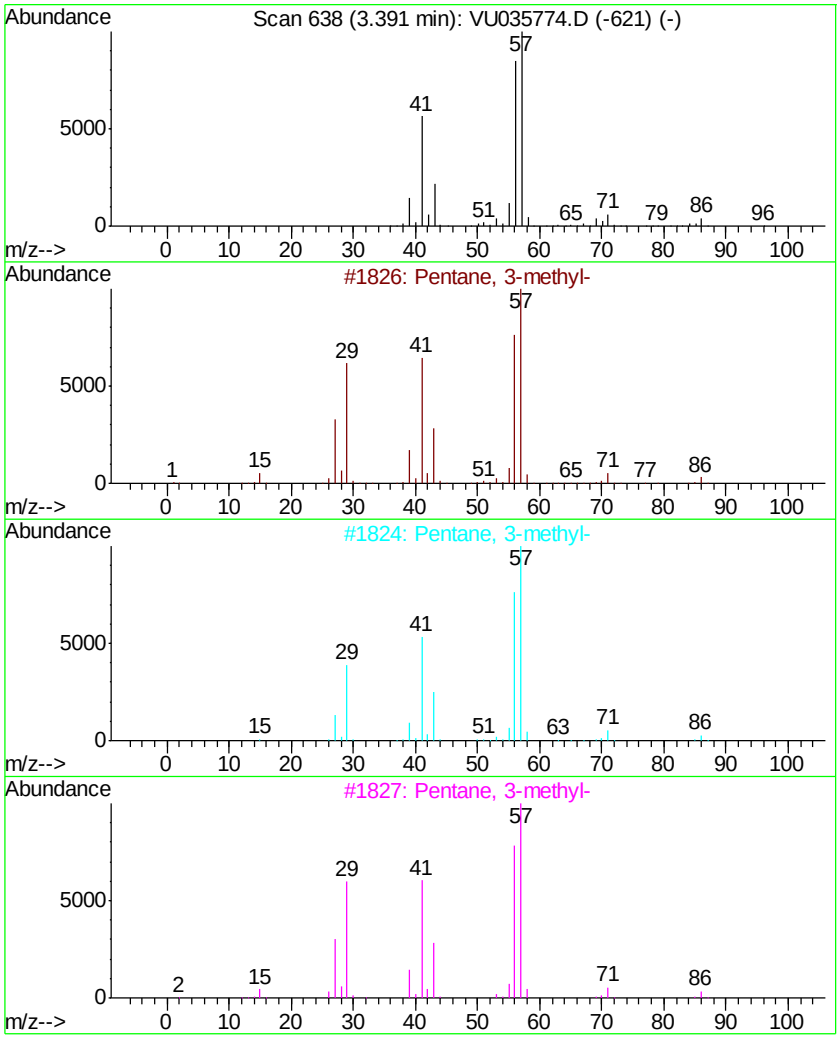
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

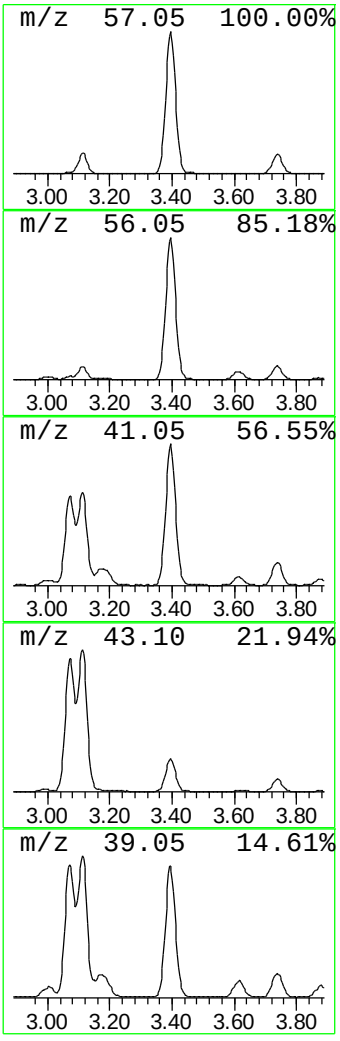
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	23.23 ug/L	2254800	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	87
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	83
5	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

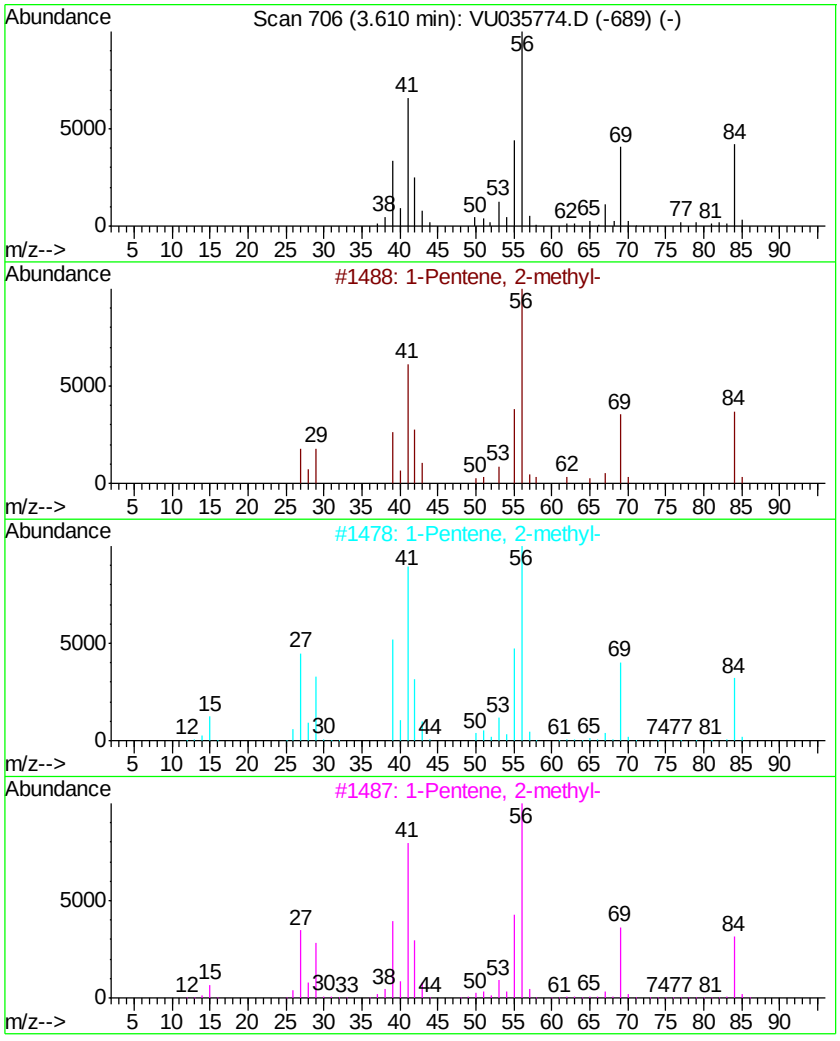
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

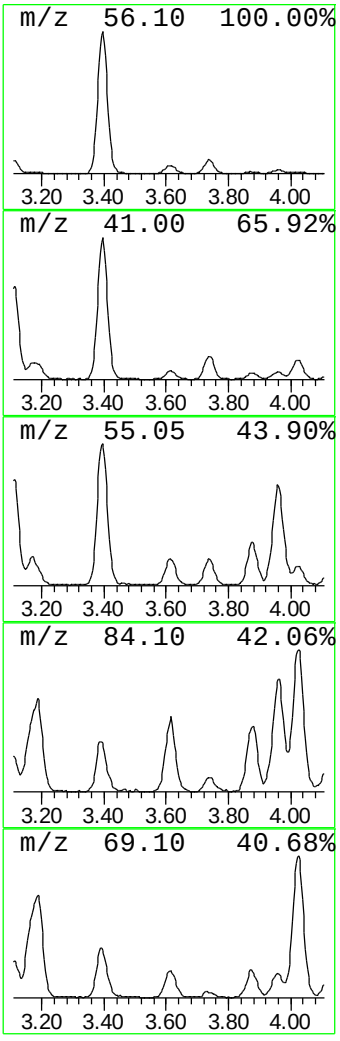
****

Peak Number 6 (DEL) Alkane: Cyclic3.61 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.61	1.63 ug/L	158528	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	91
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	91
3	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	90
4	Cyclohexane	84	C6H12	000110-82-7	86
5	Cyclohexane	84	C6H12	000110-82-7	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

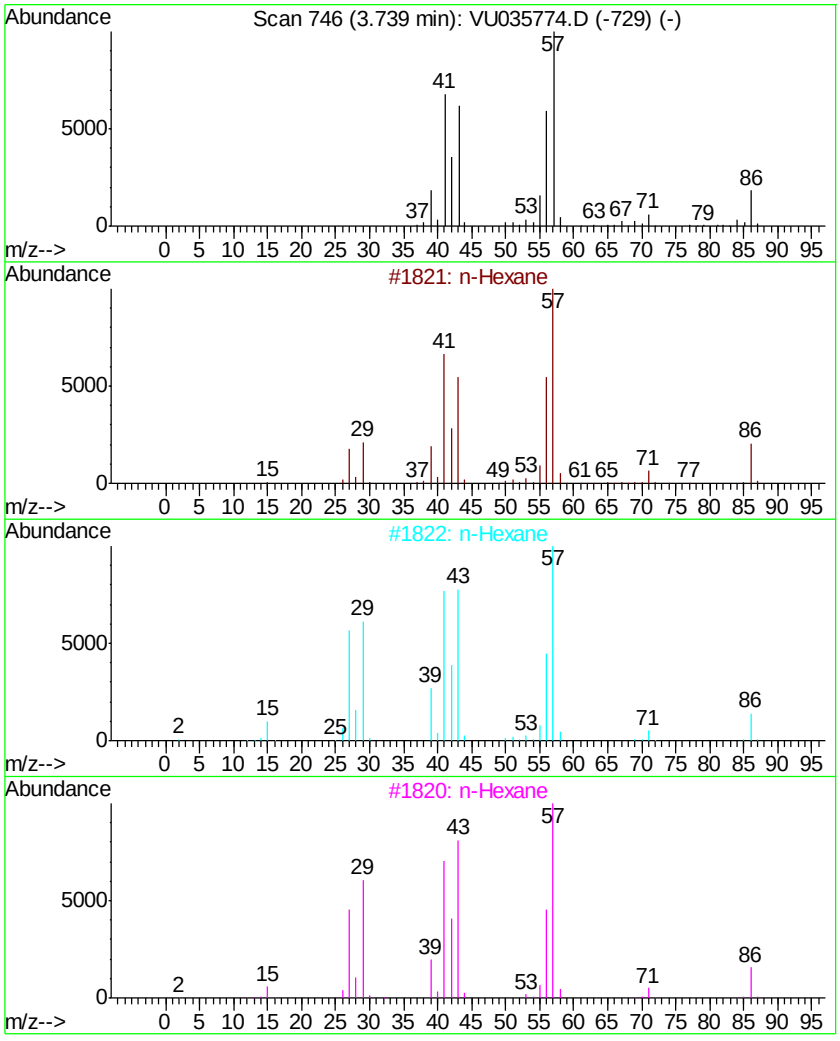
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

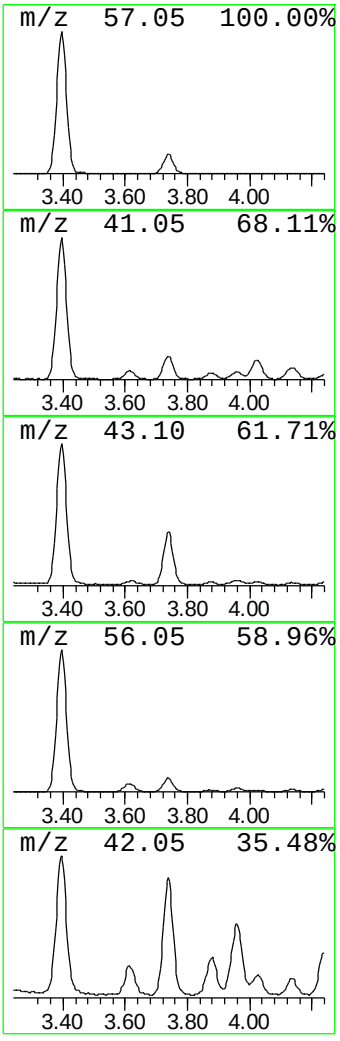
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.74	3.95 ug/L	383047	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	94
2	n-Hexane	86	C6H14	000110-54-3	64
3	n-Hexane	86	C6H14	000110-54-3	64
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	50
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

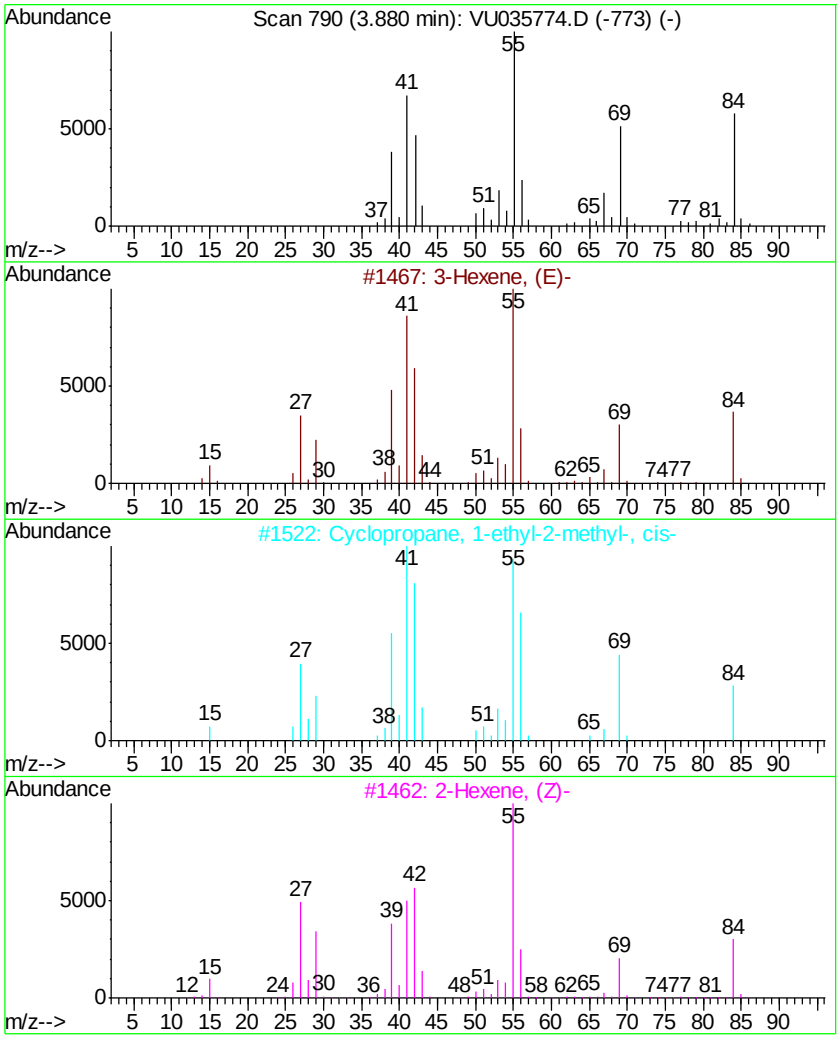
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

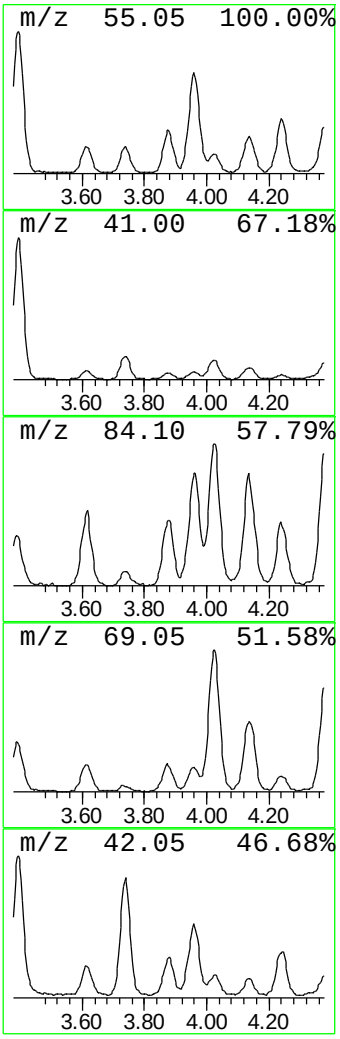
****

Peak Number 8 (DEL) Alkane: Cyclic3.88 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.88	1.30 ug/L	126173	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexene, (E)-	84	C6H12	013269-52-8	83
2	Cyclopropane, 1-ethyl-2-methyl-,...	84	C6H12	019781-68-1	81
3	2-Hexene, (Z)-	84	C6H12	007688-21-3	72
4	3-Hexene, (Z)-	84	C6H12	007642-09-3	72
5	3-Hexene, (E)-	84	C6H12	013269-52-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

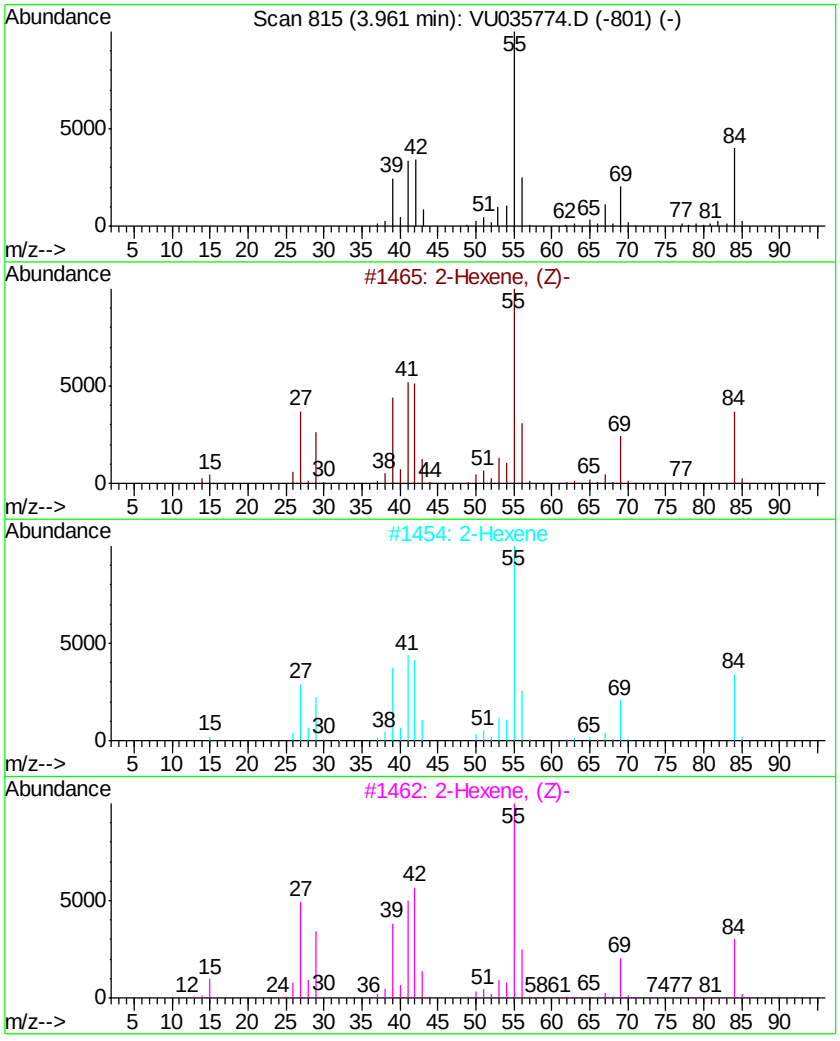
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

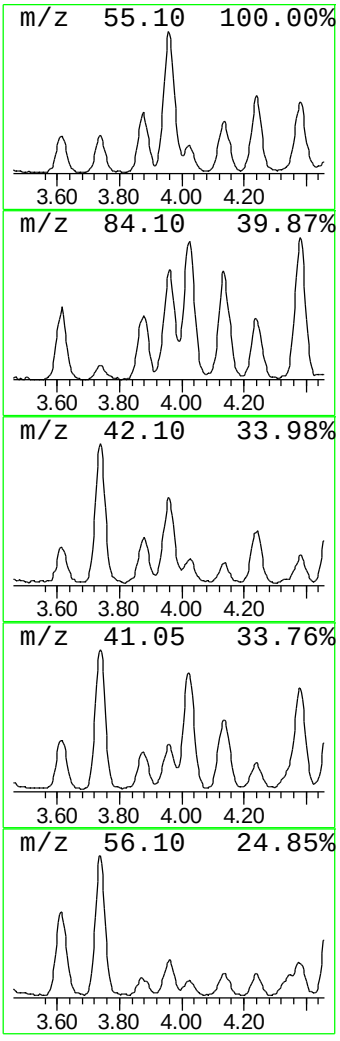
****

Peak Number 9 (DEL) Alkane: Cyclic3.96 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.96	2.23 ug/L	216105	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, (Z)-	84	C6H12	007688-21-3	91
2	2-Hexene	84	C6H12	000592-43-8	91
3	2-Hexene, (Z)-	84	C6H12	007688-21-3	90
4	3-Hexene, (Z)-	84	C6H12	007642-09-3	90
5	2-Hexene, (E)-	84	C6H12	004050-45-7	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

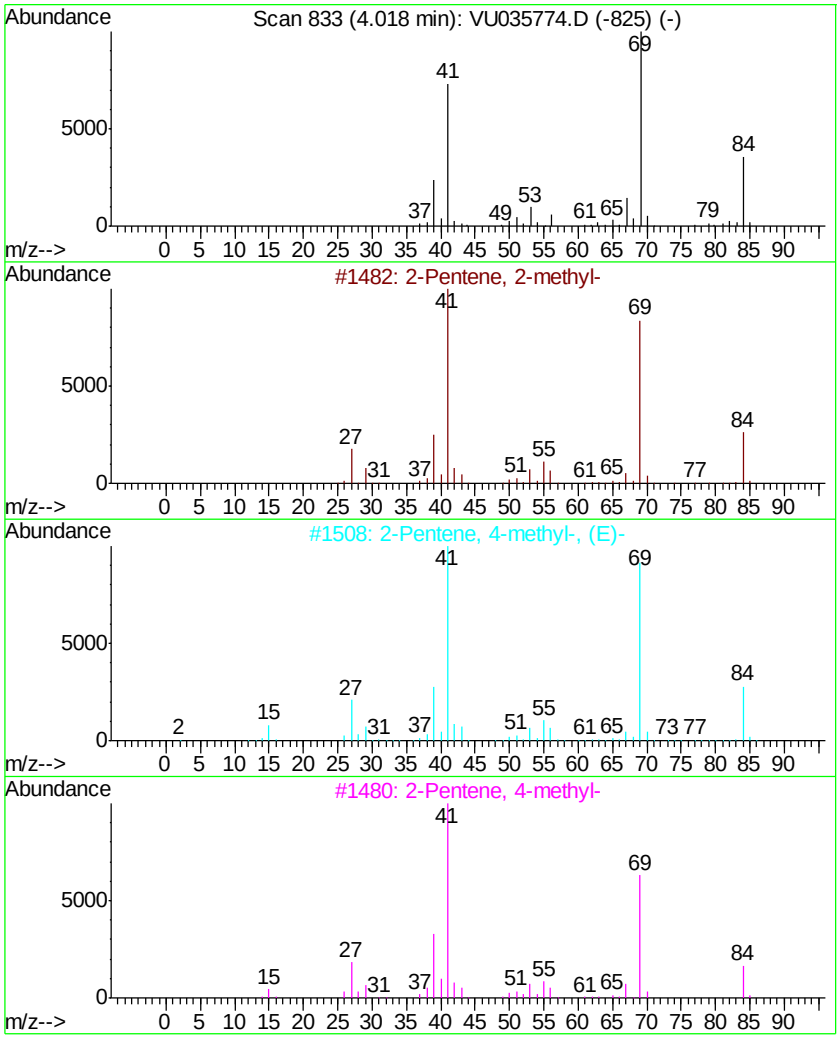
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

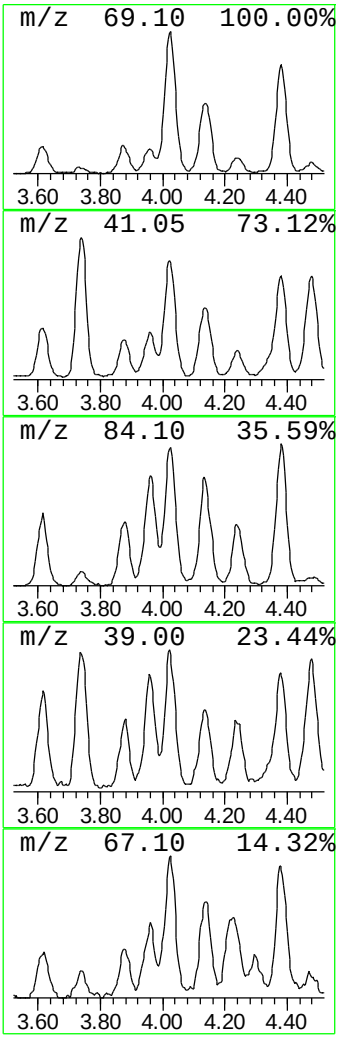
****

Peak Number 10 (DEL) Alkane: Cyclic4.02 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.02	2.66 ug/L	258501	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	86
2	2-Pentene, 4-methyl-, (E)-	84	C6H12	000674-76-0	86
3	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	83
4	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	80
5	2-Butene, 2,3-dimethyl-	84	C6H12	000563-79-1	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

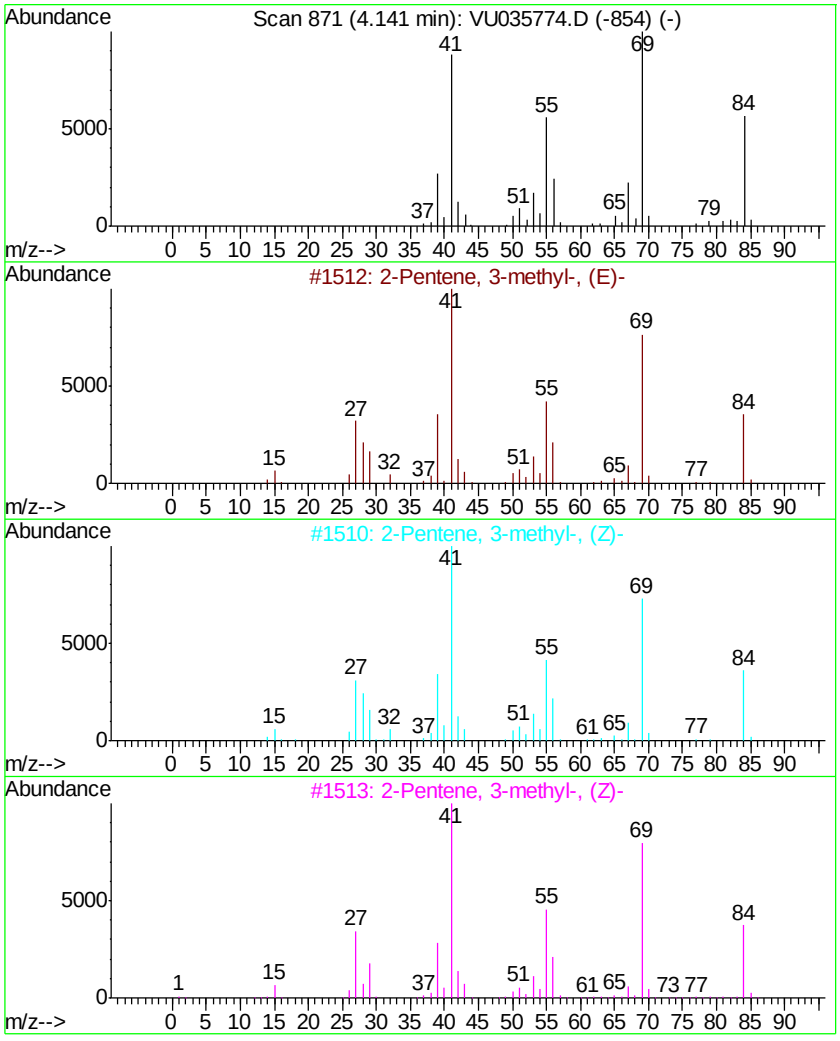
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

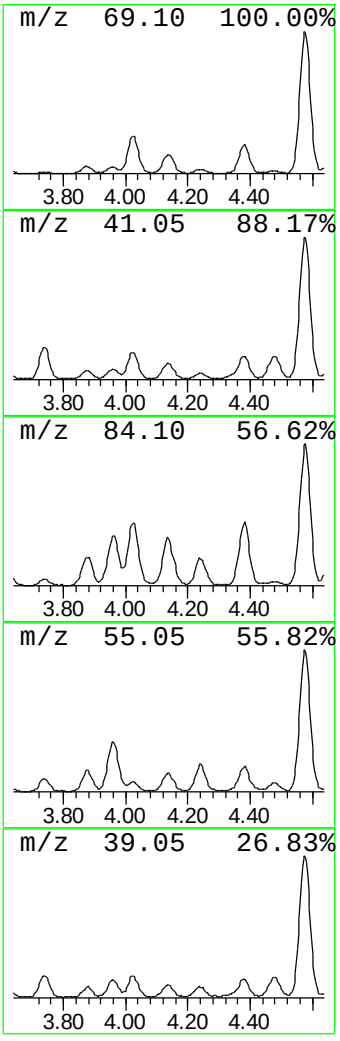
****

Peak Number 11 (DEL) Alkane: Cyclic4.14 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.14	1.90 ug/L	184410	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
2	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	90
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	90
5	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

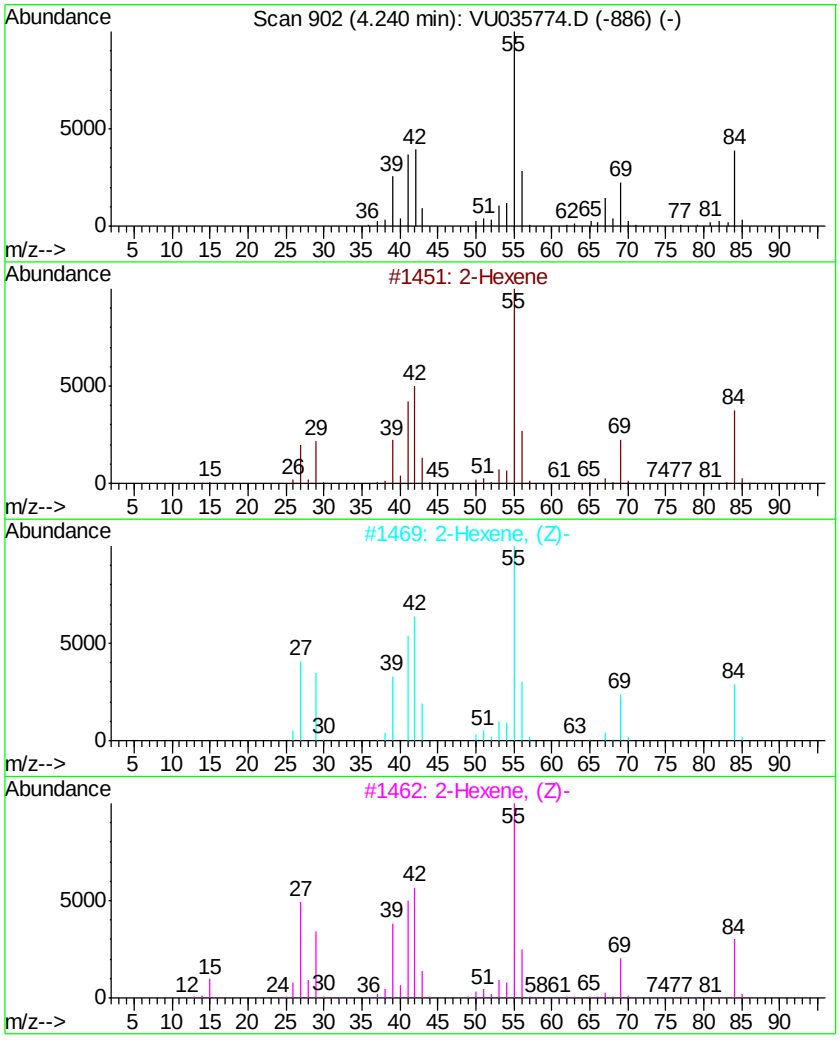
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

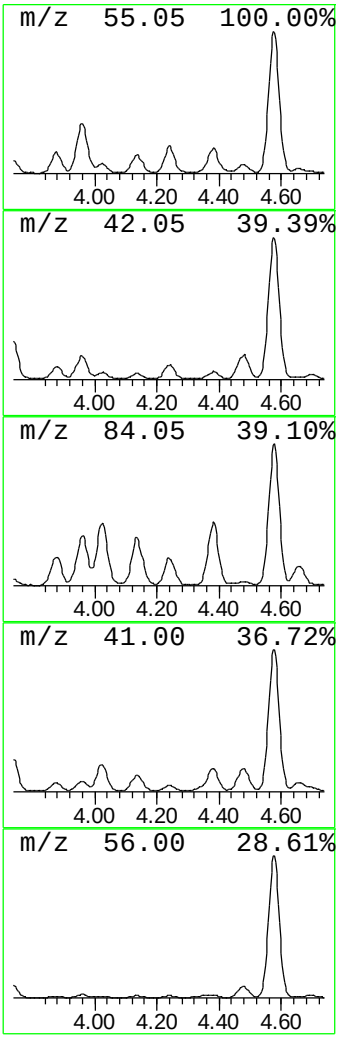
****

Peak Number 12 (DEL) Alkane: Cyclic4.24 Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.24	1.25 ug/L	121095	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene	84	C6H12	000592-43-8	87
2	2-Hexene, (Z)-	84	C6H12	007688-21-3	87
3	2-Hexene, (Z)-	84	C6H12	007688-21-3	87
4	2-Hexene, (E)-	84	C6H12	004050-45-7	87
5	3-Hexene, (Z)-	84	C6H12	007642-09-3	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

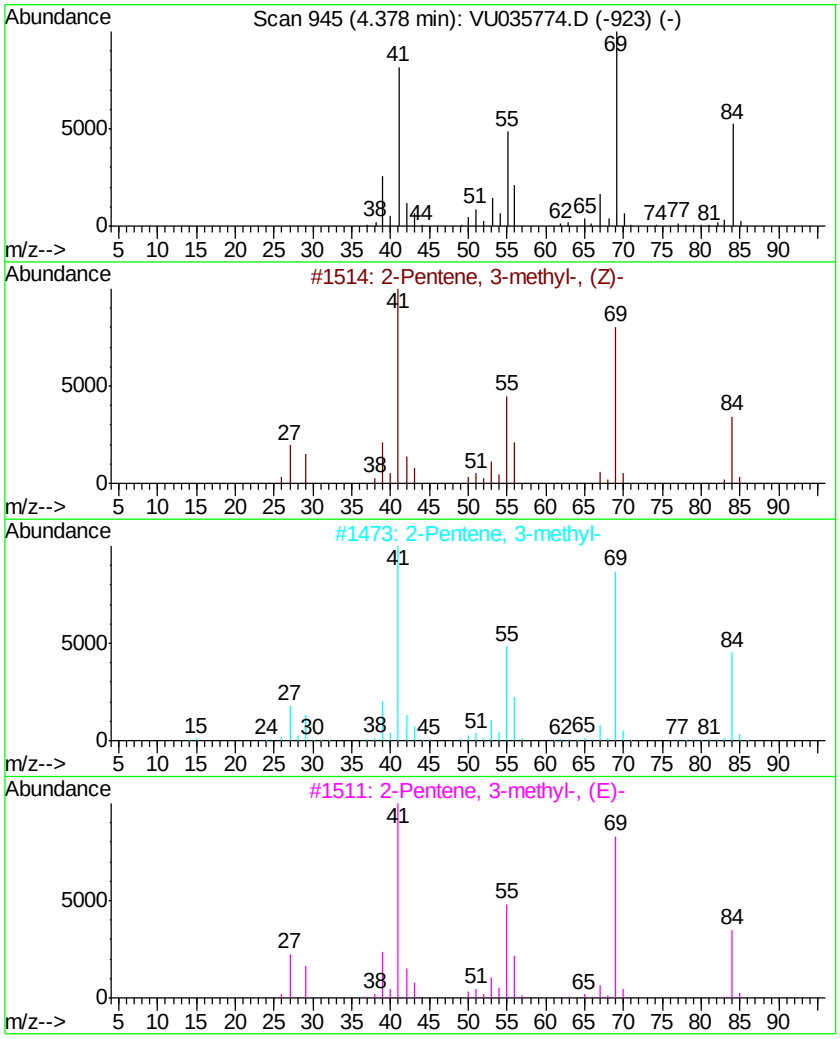
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

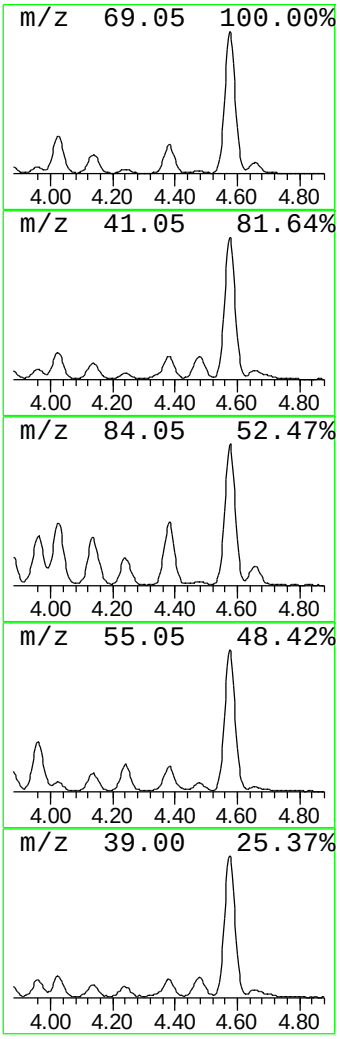
****

Peak Number 13 (DEL) Alkane: Cyclic4.38 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	2.88 ug/L	279667	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	91
2	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	90
3	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	90
4	Cyclopropane, 1,2,3-trimethyl-	84	C6H12	042984-19-0	90
5	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

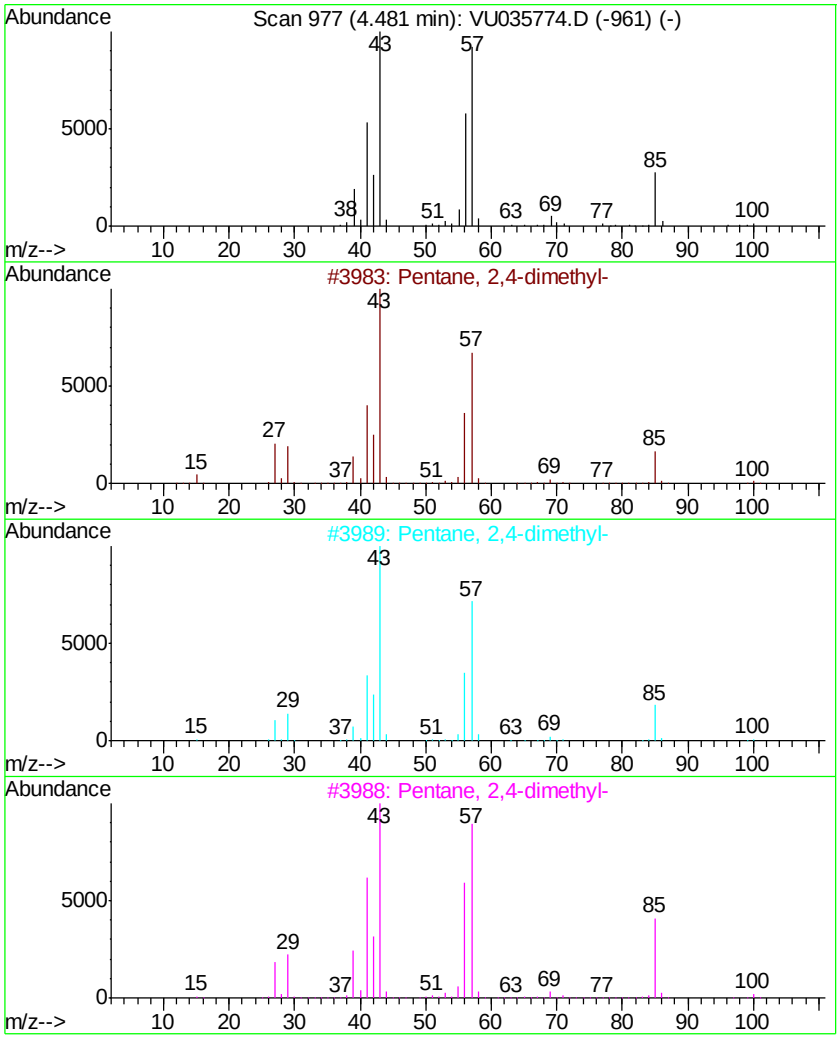
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

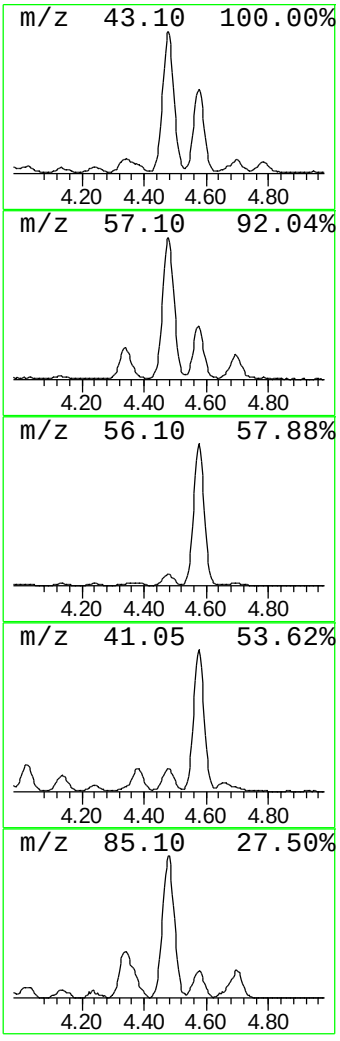
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.48	3.82 ug/L	371023	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
3	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	83
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	64
5	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

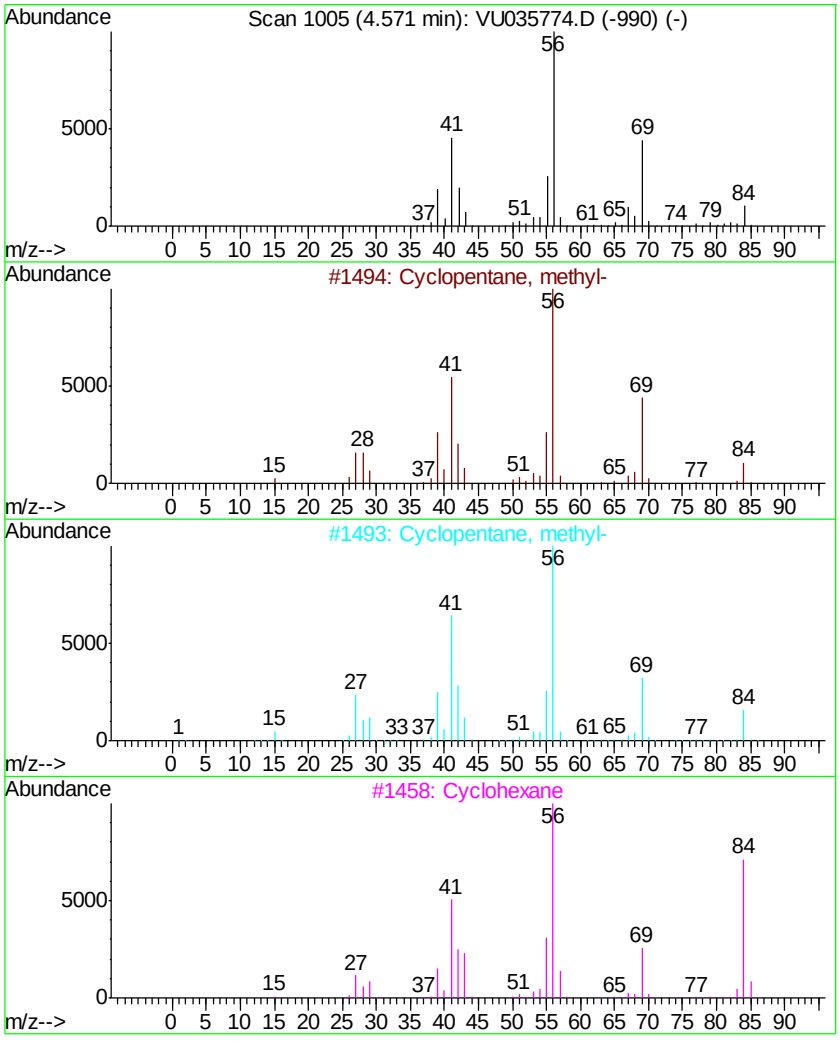
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

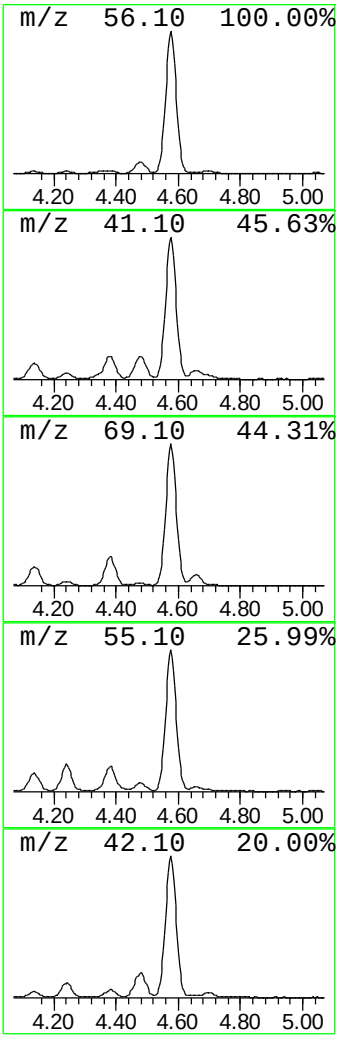
****

Peak Number 15 (DEL) Alkane: Cyclic4.57 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.57	21.67 ug/L	2104070	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	86
3	Cyclohexane	84	C6H12	000110-82-7	78
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

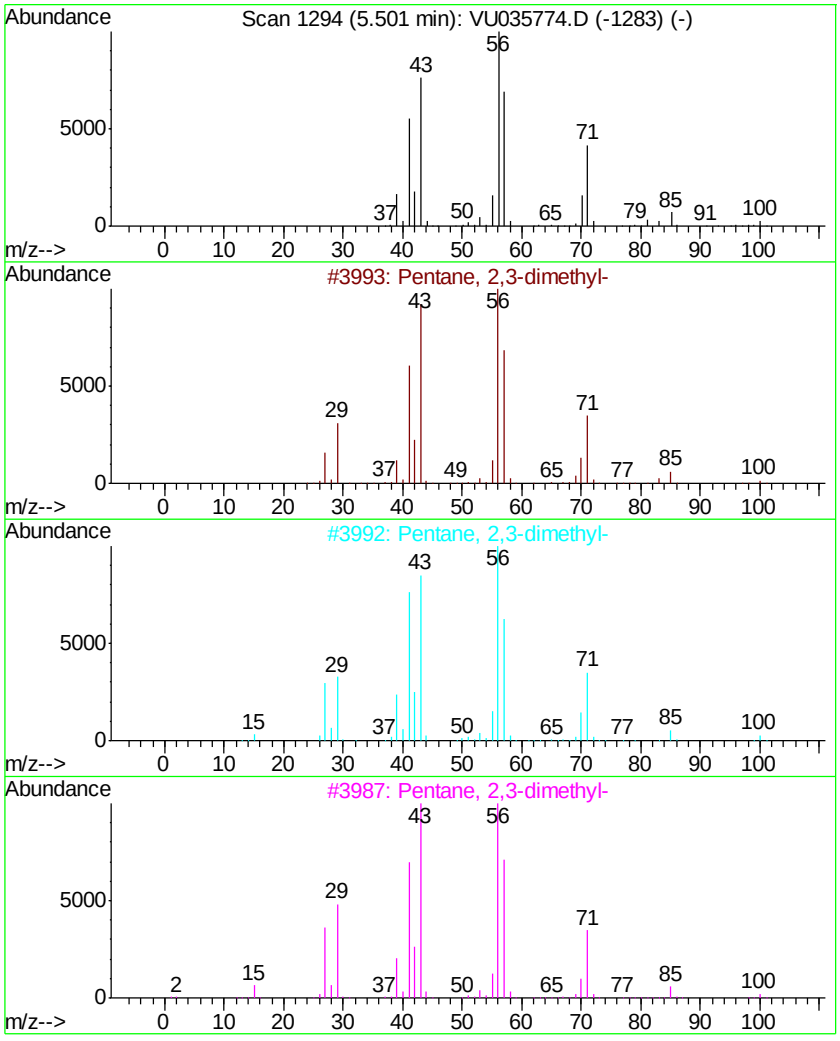
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

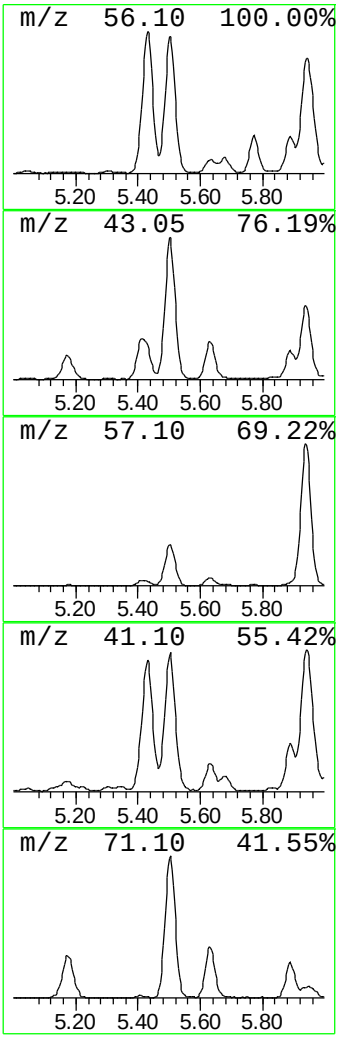
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.50	9.83 ug/L	953881	1,4-Difluorobenzene	6.29

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	83
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	72
5	Heptane	100	C7H16	000142-82-5	47





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

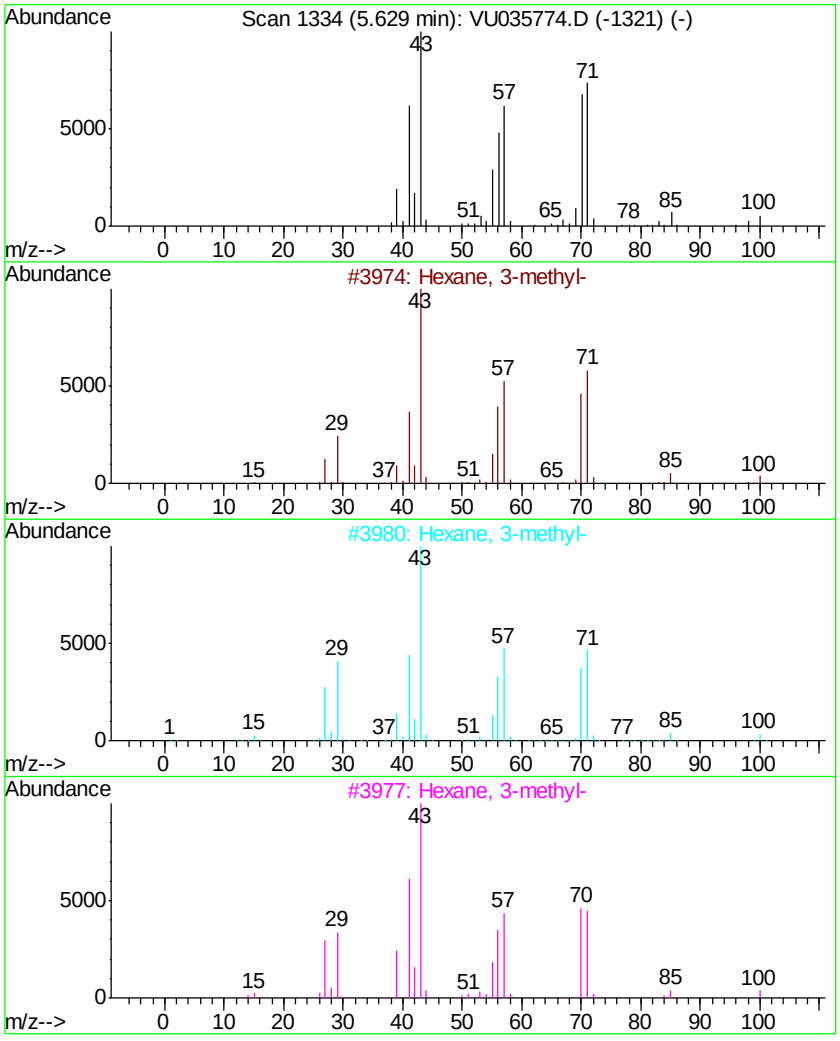
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

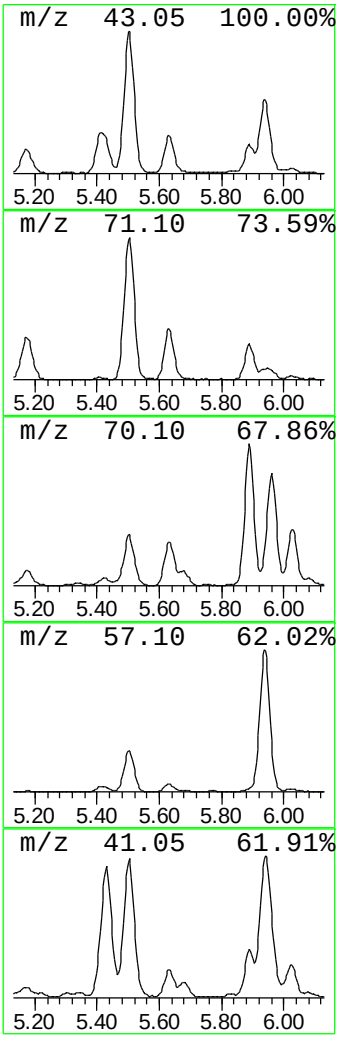
****

Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.63	2.00 ug/L	194006	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	83
4	Heptane	100	C7H16	000142-82-5	80
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

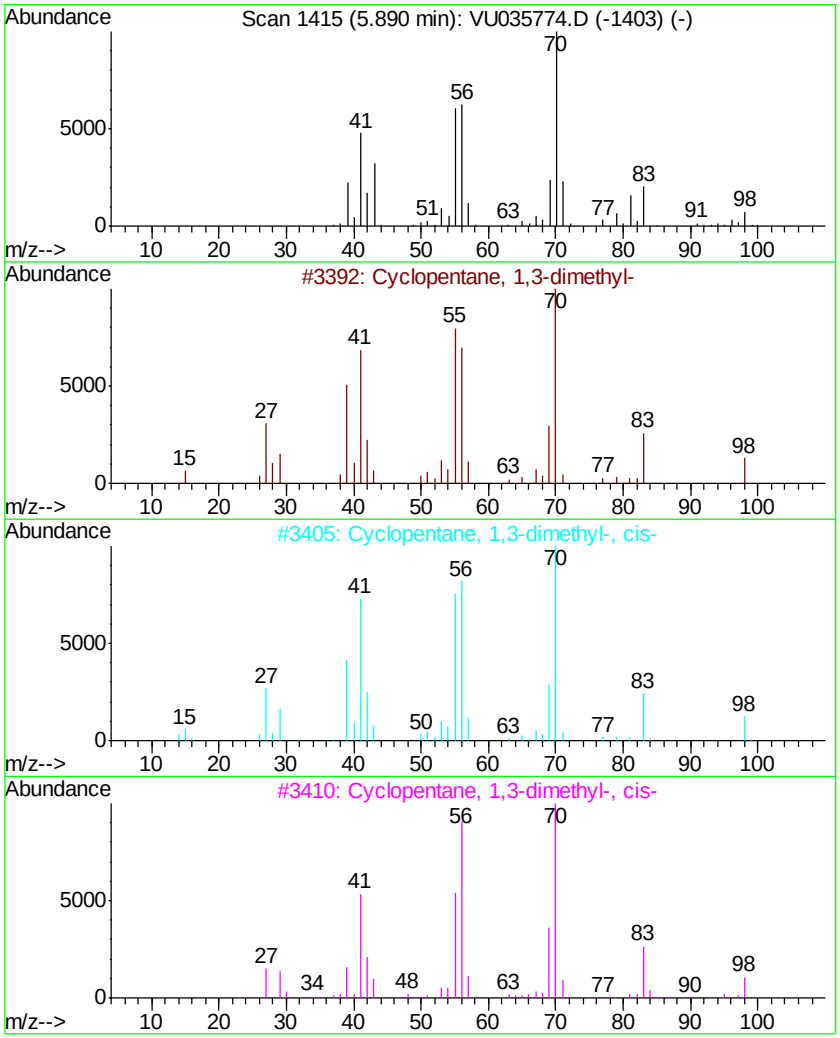
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

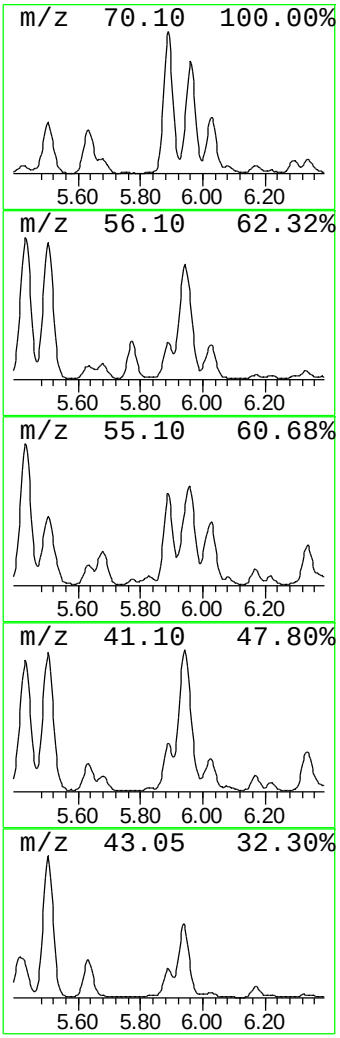
****

Peak Number 18 (DEL) Alkane: Cyclic5.89 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.89	3.62 ug/L	351596	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	87
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	80
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	55
5	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

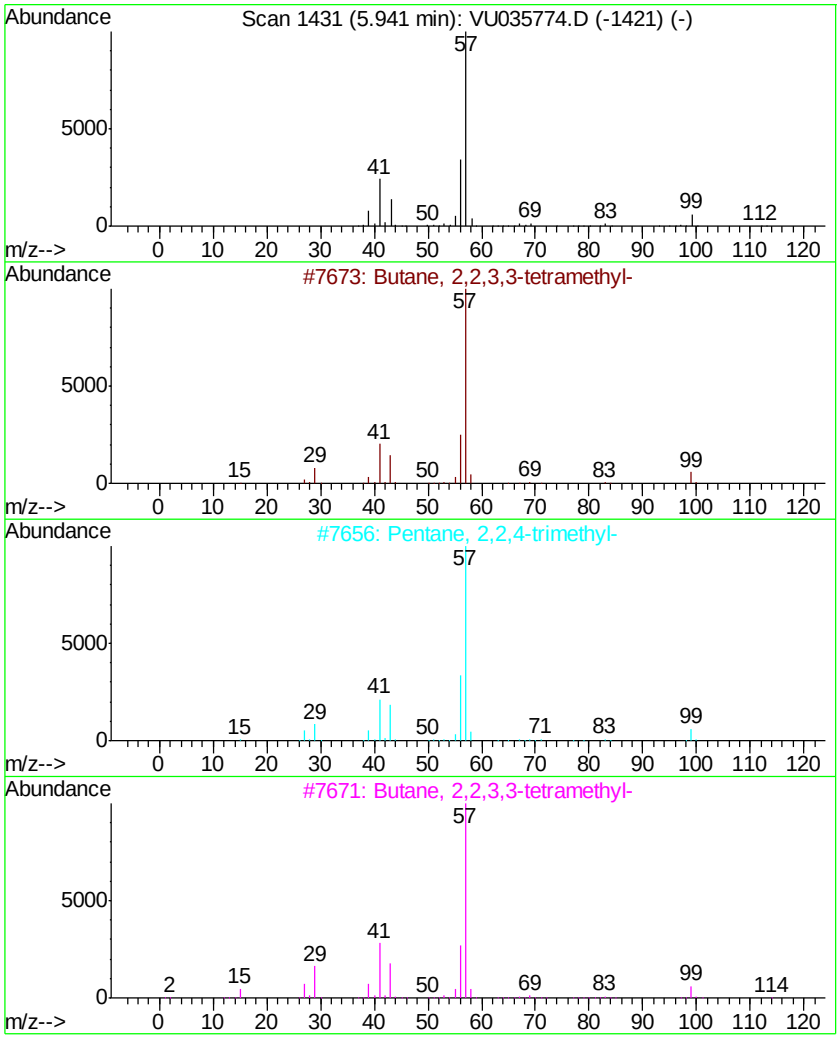
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

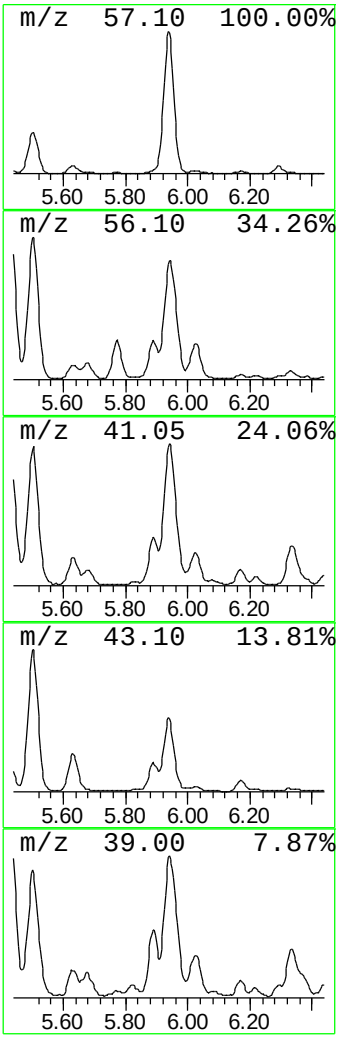
****

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	12.29 ug/L	1192810	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	64
5	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

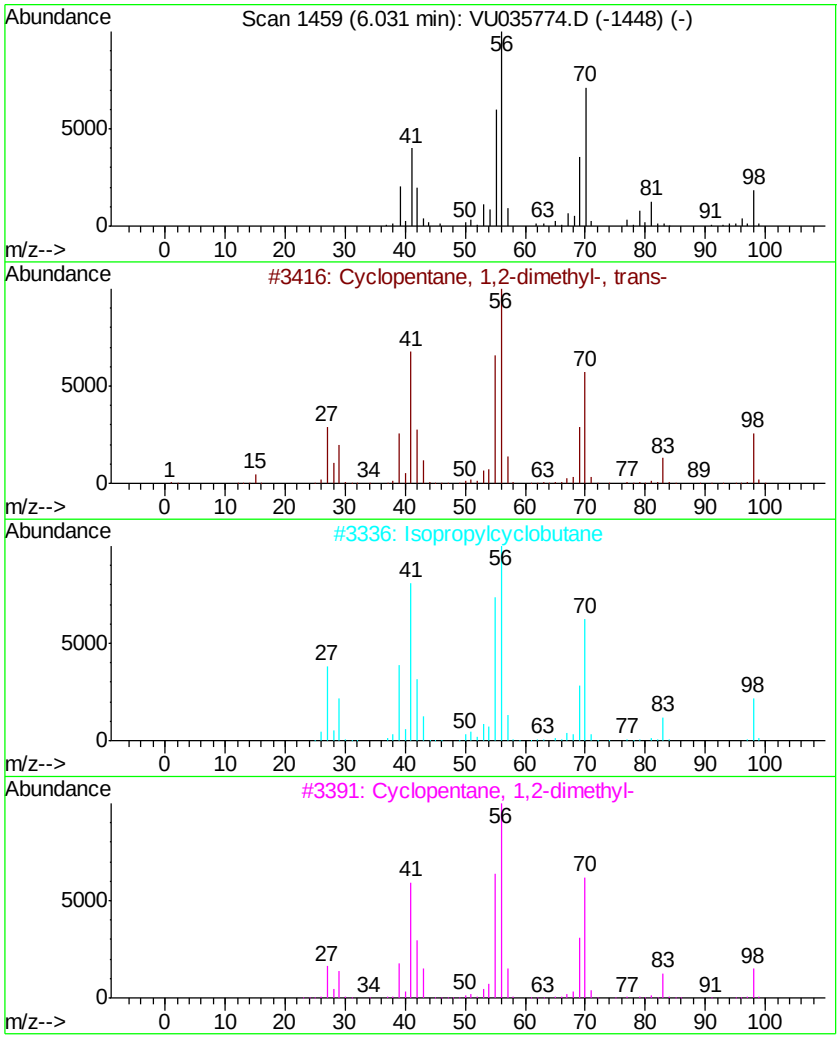
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

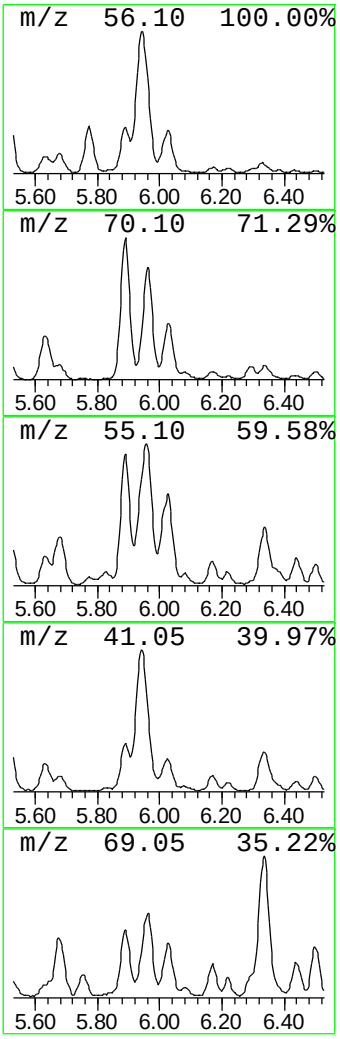
****

Peak Number 20 (DEL) Alkane: Cyclic6.03 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.03	2.35 ug/L	227940	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
2	Isopropylcyclobutane	98	C7H14	000872-56-0	87
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	80
4	1-Heptene	98	C7H14	000592-76-7	64
5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

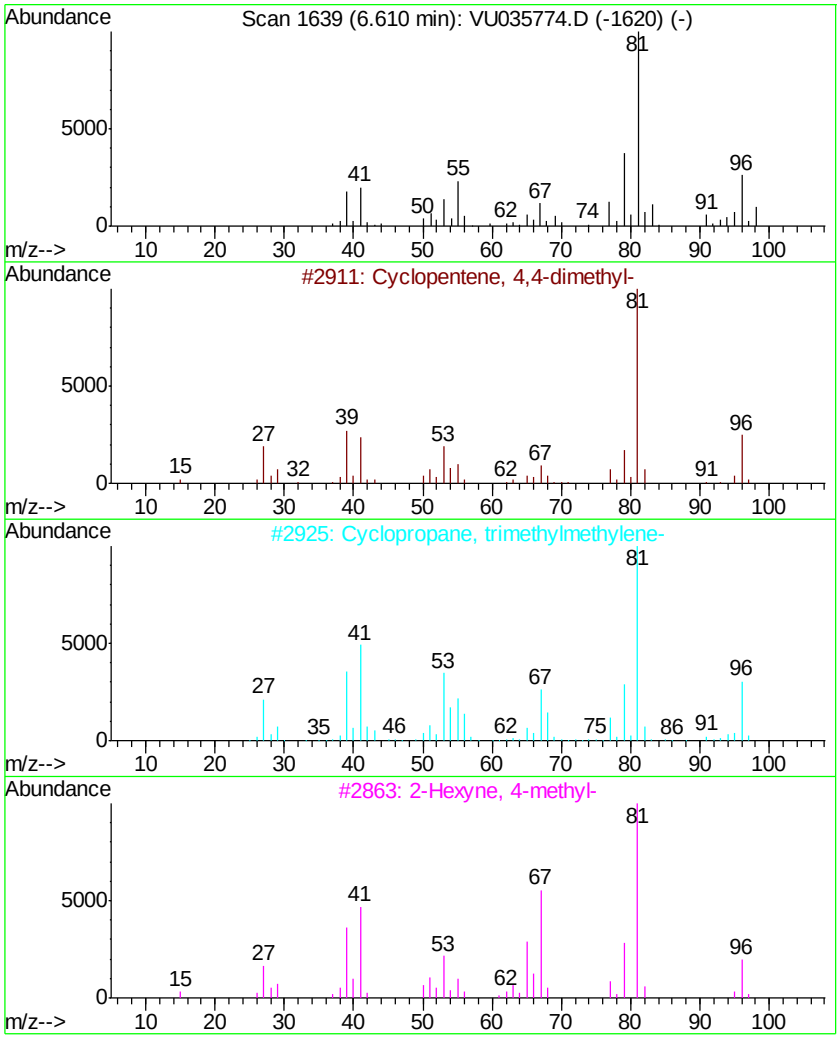
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

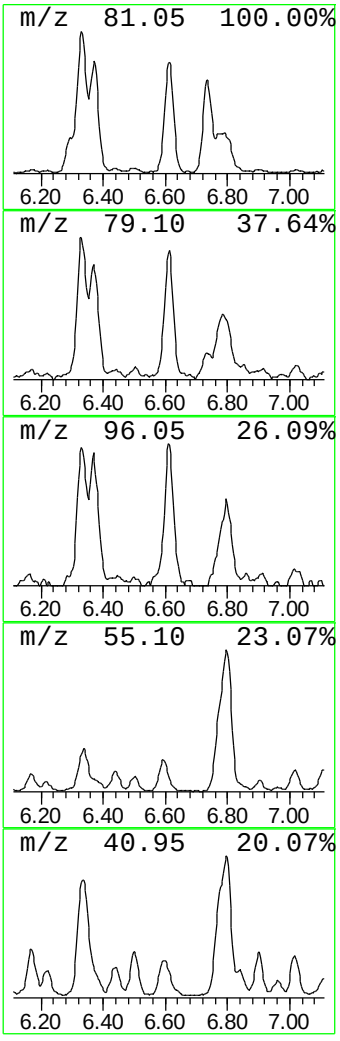
****

Peak Number 21 Cyclopentene, 4,4-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	1.76 ug/L	170851	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	70
2	Cyclopropane, trimethylmethylene-	96	C7H12	034462-28-7	59
3	2-Hexyne, 4-methyl-	96	C7H12	020198-49-6	53
4	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	52
5	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	52





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

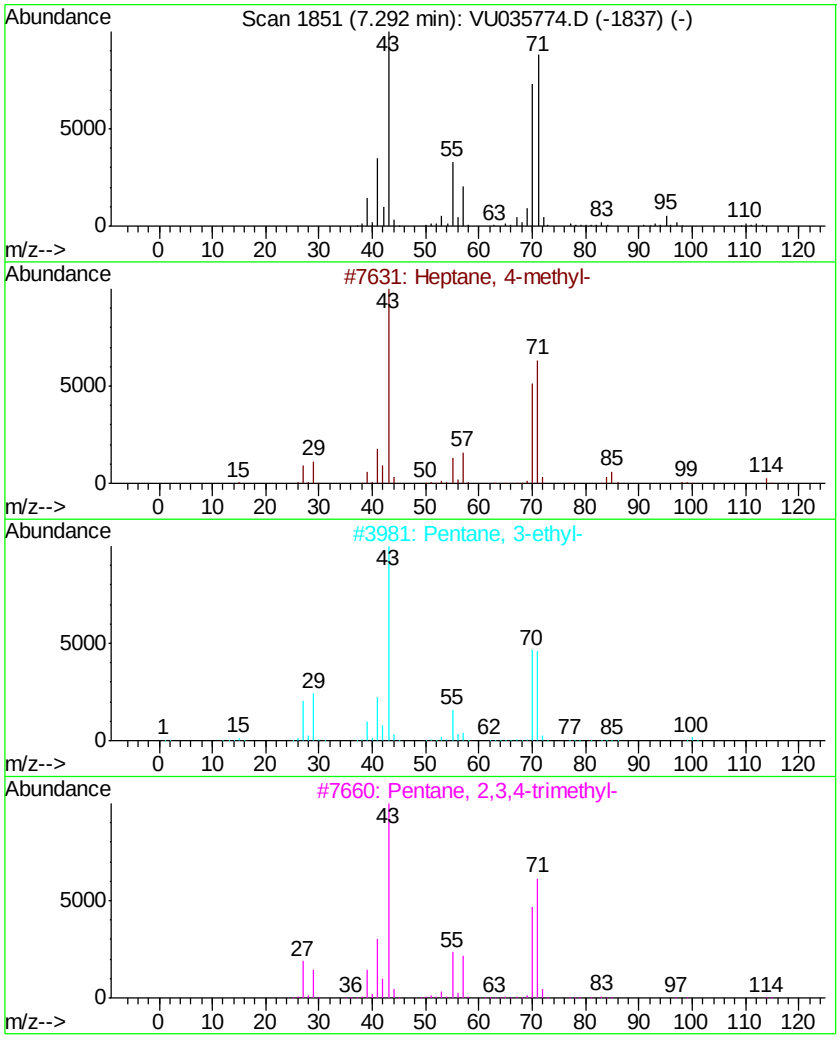
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

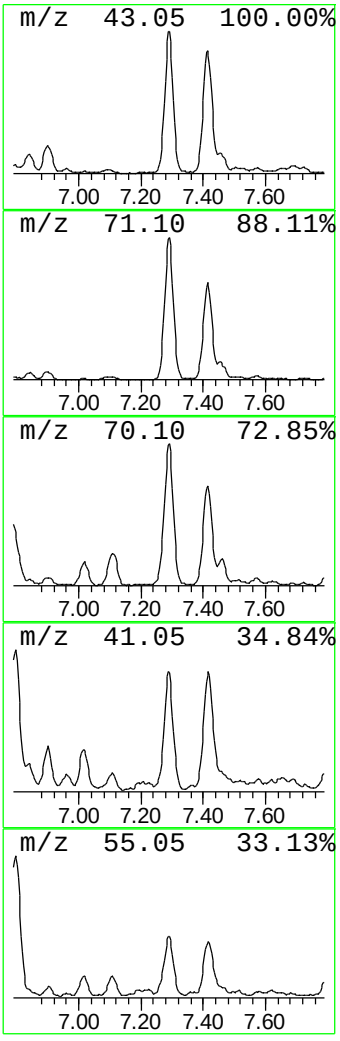
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.29	3.80 ug/L	368831	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	78
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78
3	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	78
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	78
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

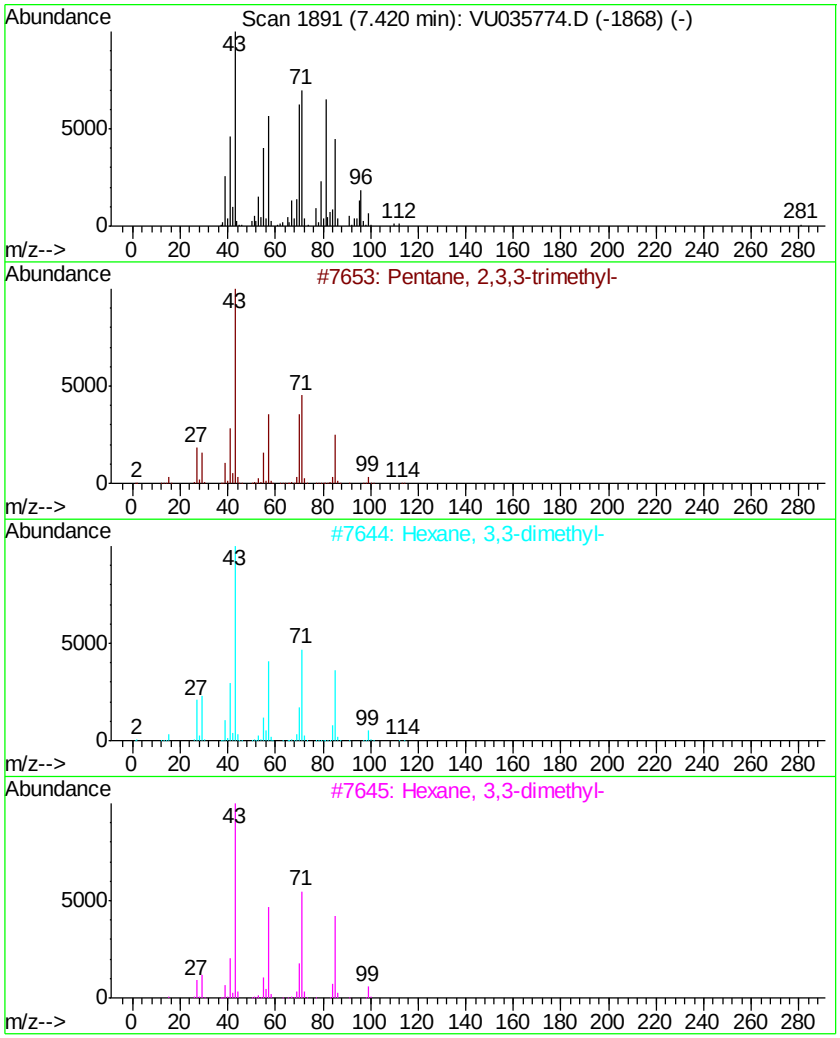
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

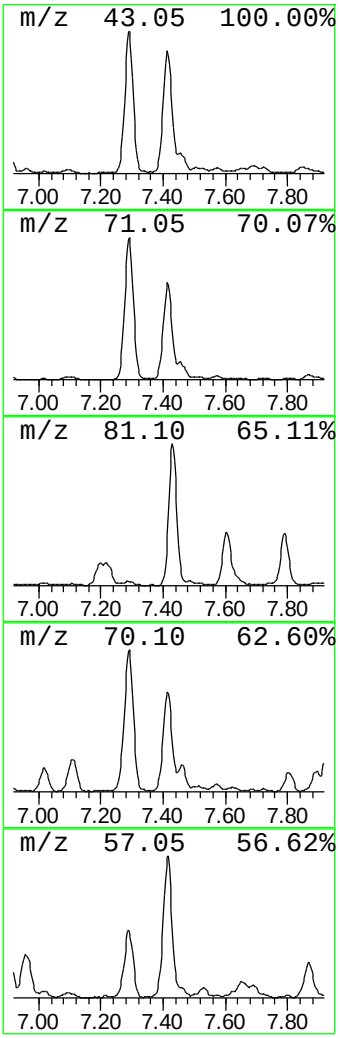
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.42	6.45 ug/L	625687	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	59
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	47
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	43
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	43
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

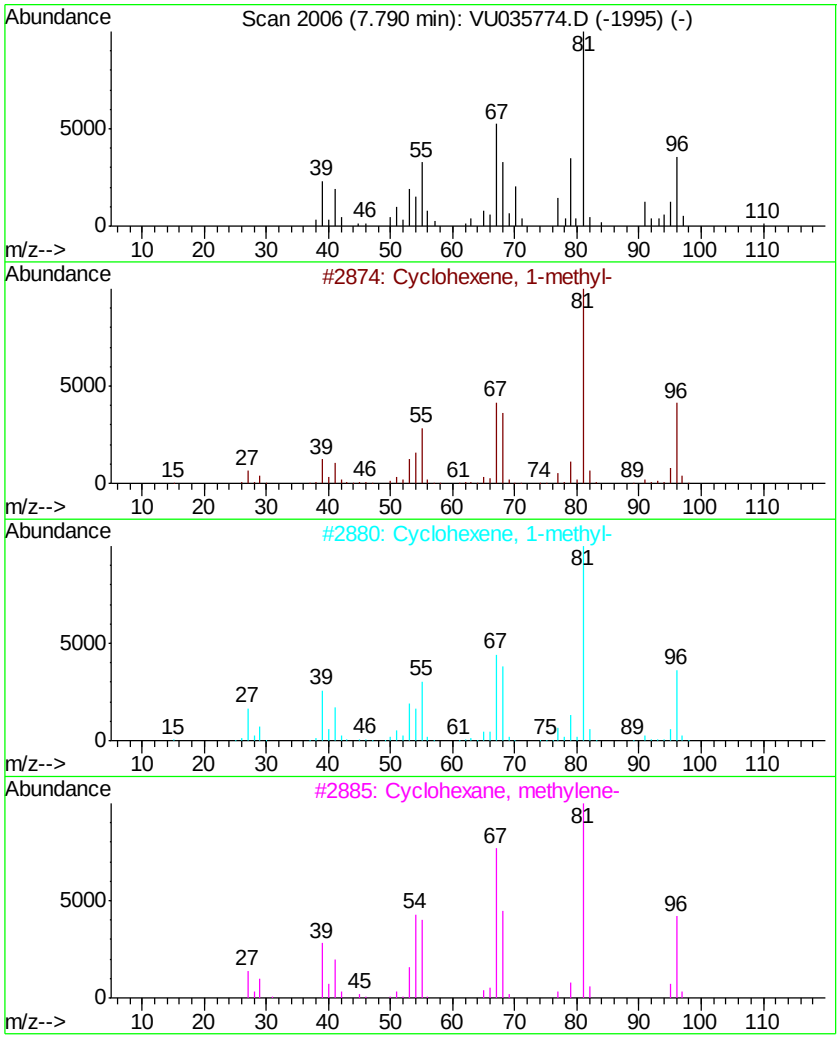
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

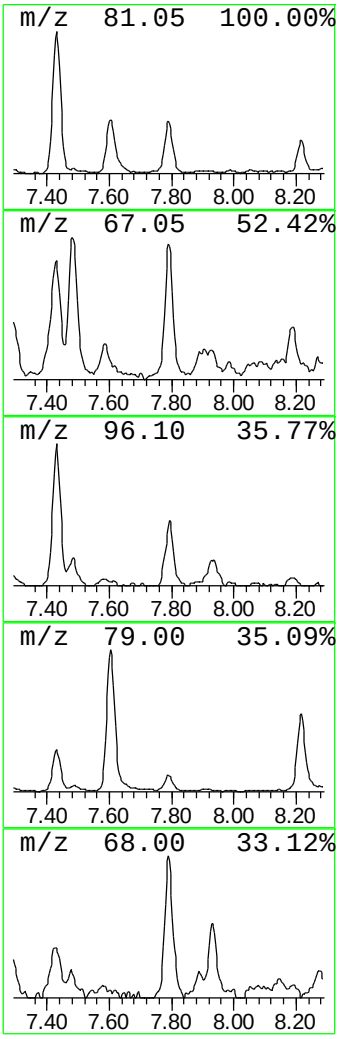
****

Peak Number 25 Cyclohexene, 1-methyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.79	1.08 ug/L	105199	1,4-Difluorobenzene	6.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	81
2	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	74
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	64
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	64
5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

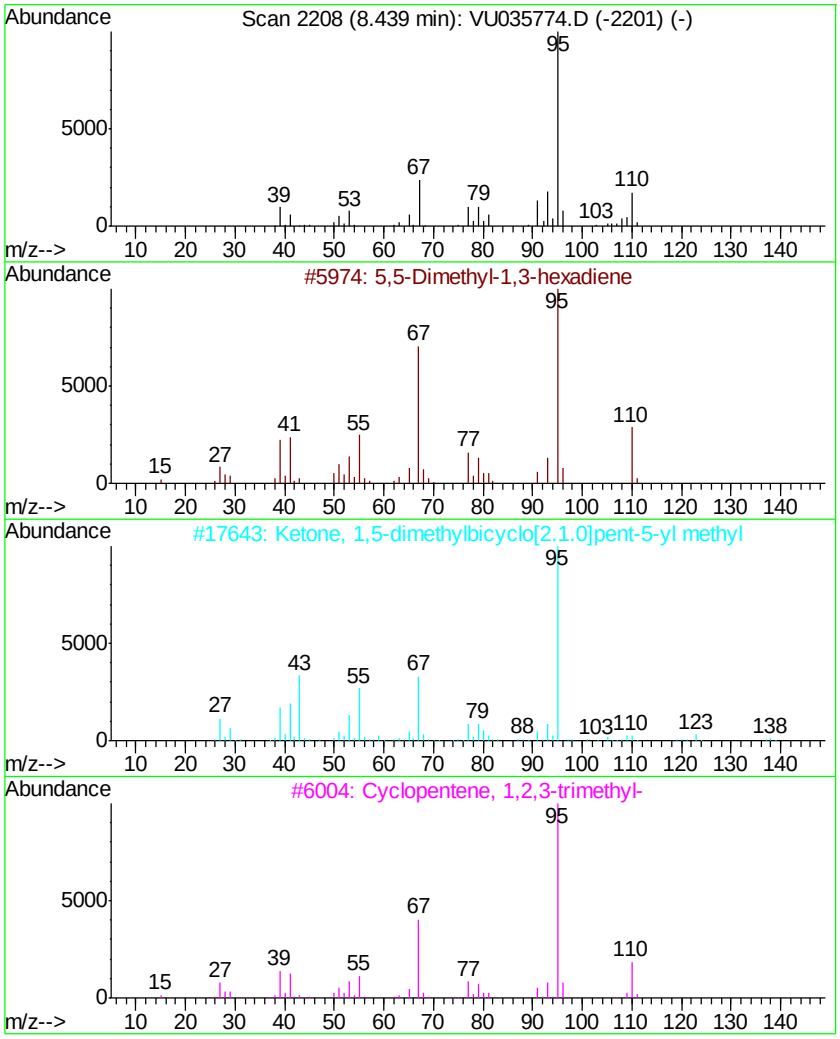
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

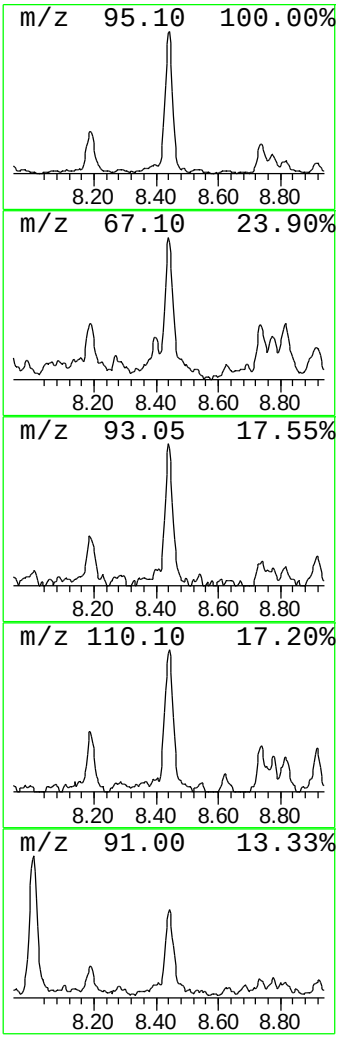
****

Peak Number 26 5,5-Dimethyl-1,3-hexadiene Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.44	0.89 ug/L	115963	Chlorobenzene-d5	9.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dimethyl-1,3-hexadiene	110	C8H14	001515-79-3	83
2	Ketone, 1,5-dimethylbicyclo[2.1....	138	C9H14O	024081-57-0	72
3	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	68
4	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	64
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

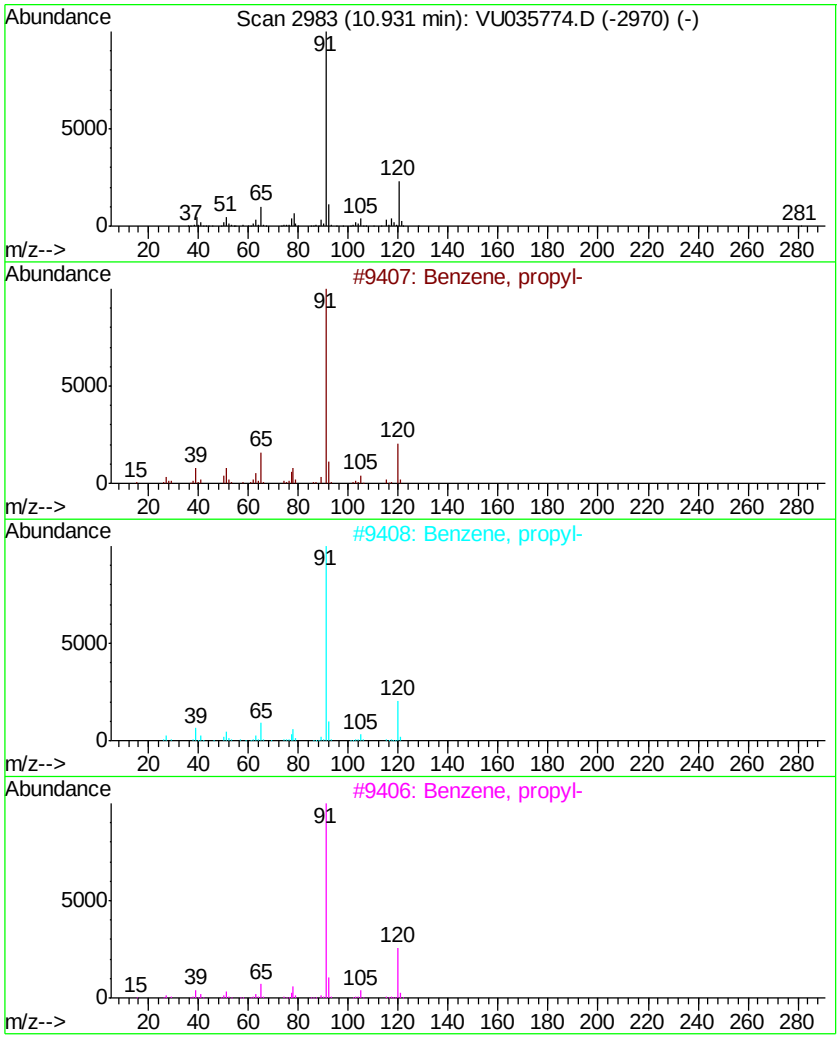
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

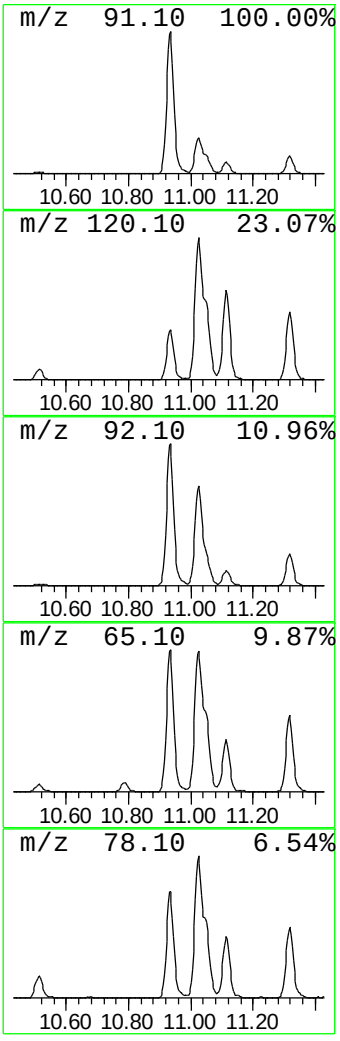
****

Peak Number 27 Benzene, propyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	8.27 ug/L	1270810	1,4-Dichlorobenzene-d4	11.84

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-Butylbenzylamine	163	C11H17N	002403-22-7	72
5	1,2-Ethanediamine, N-(phenylmeth...	150	C9H14N2	004152-09-4	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

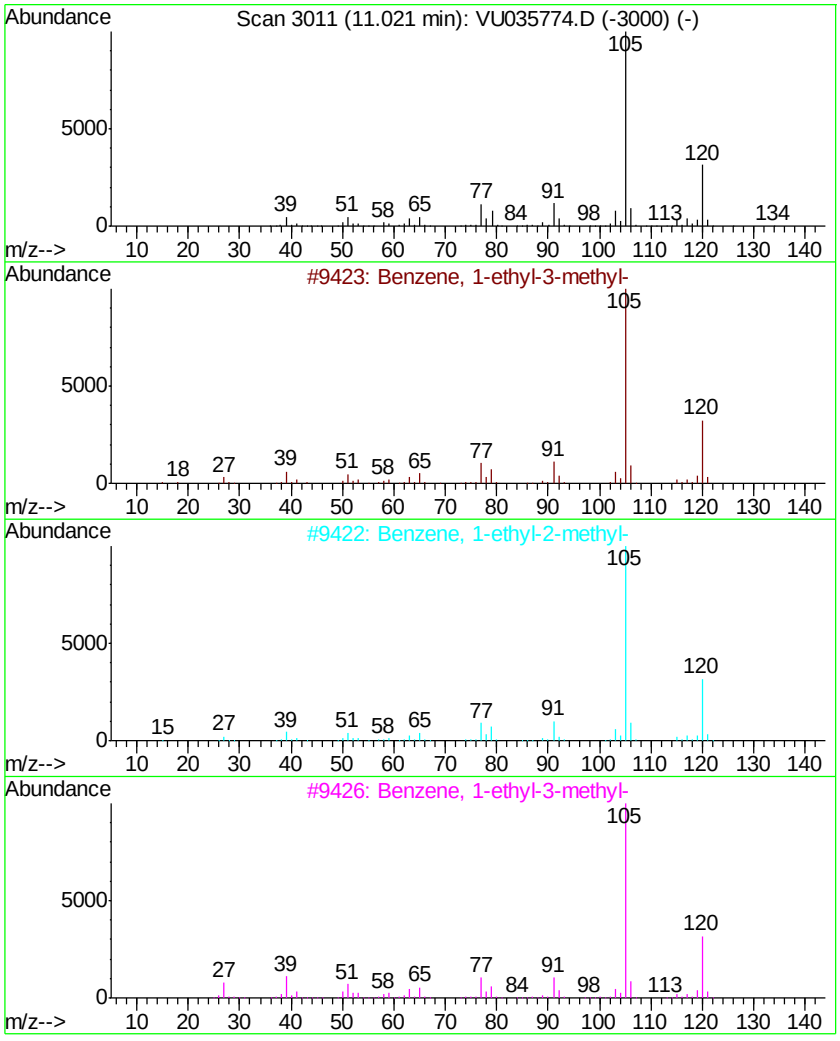
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

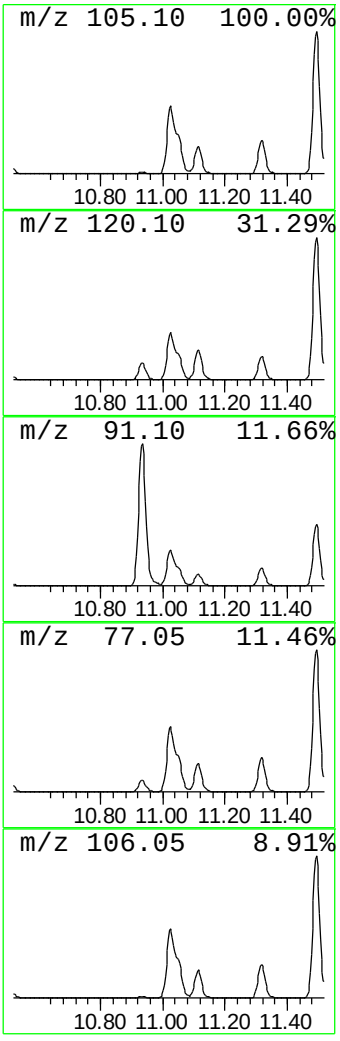
****

Peak Number 28 Benzene, 1-ethyl-3-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.02	28.95 ug/L	4446910	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

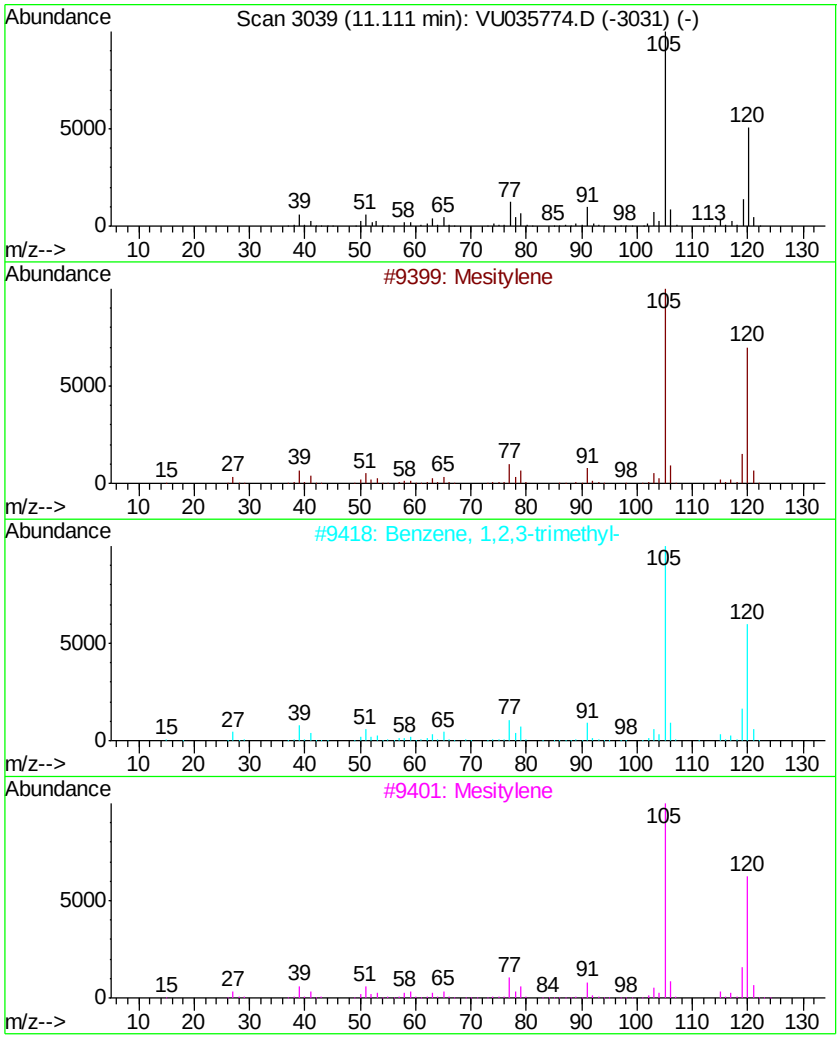
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

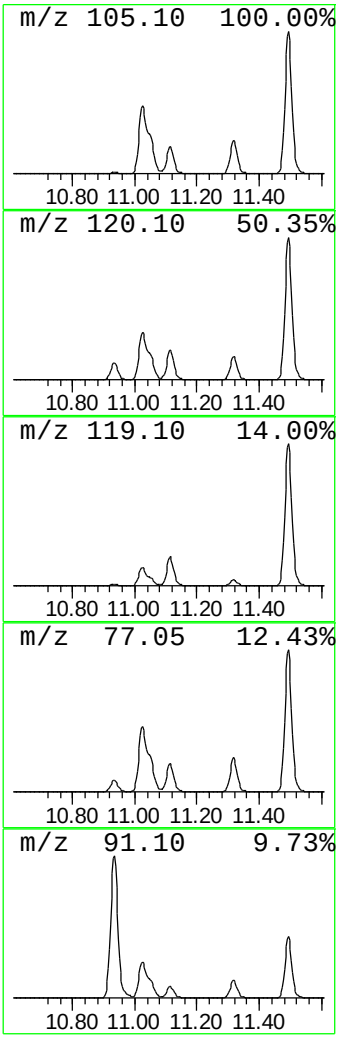
****

Peak Number 29 Mesitylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	9.00 ug/L	1382810	1,4-Dichlorobenzene-d4	11.84

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

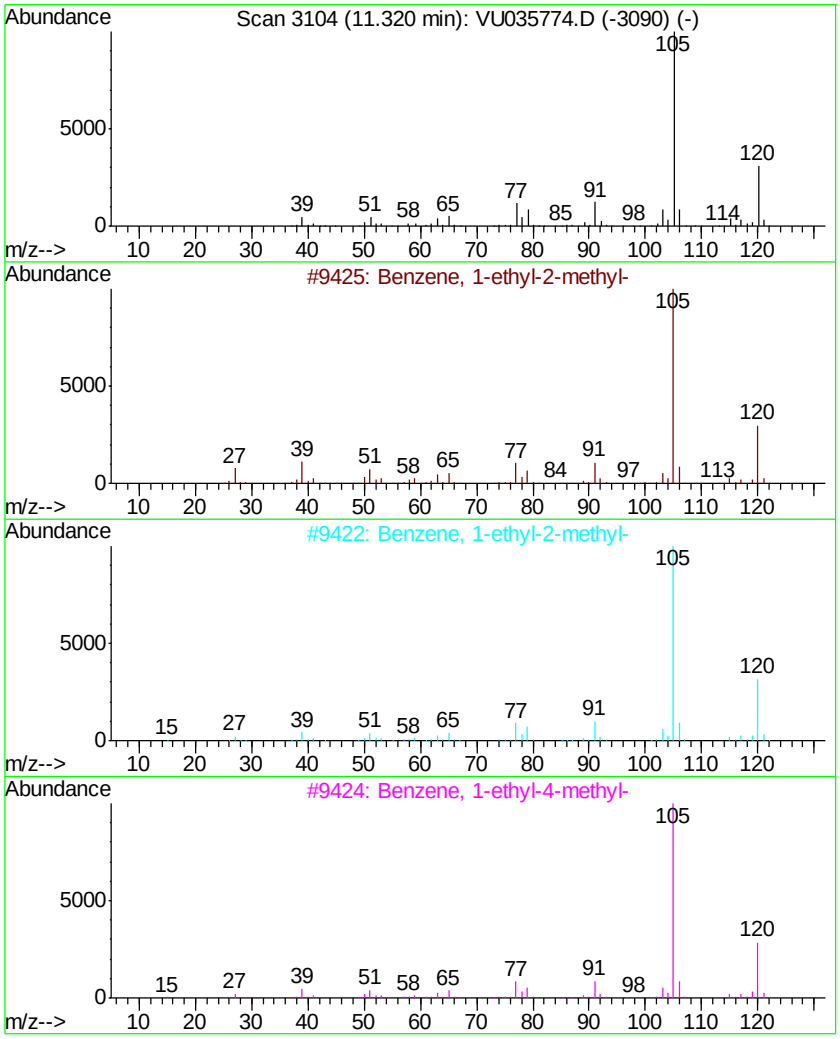
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

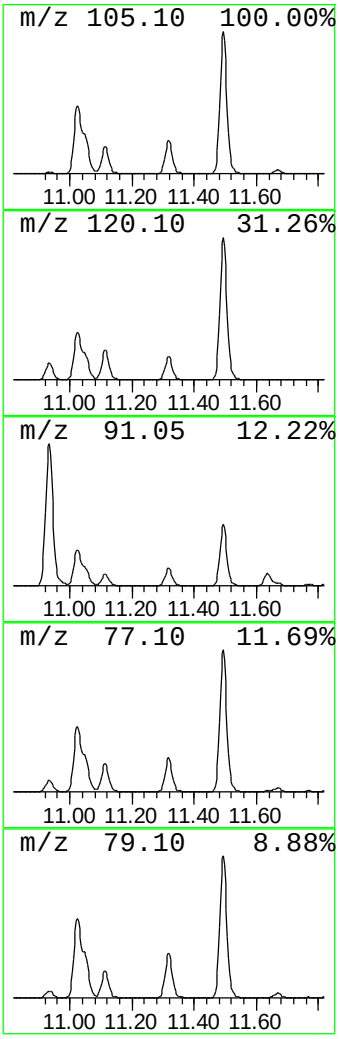
****

Peak Number 30 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	10.10 ug/L	1551150	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

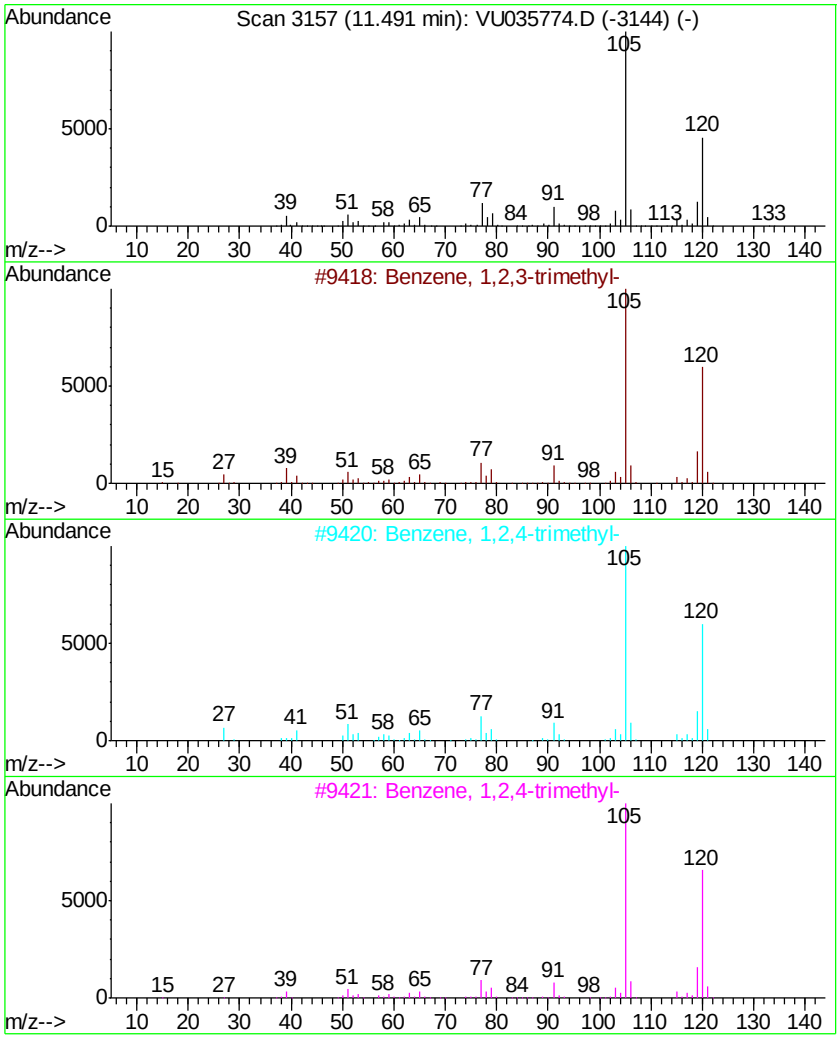
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

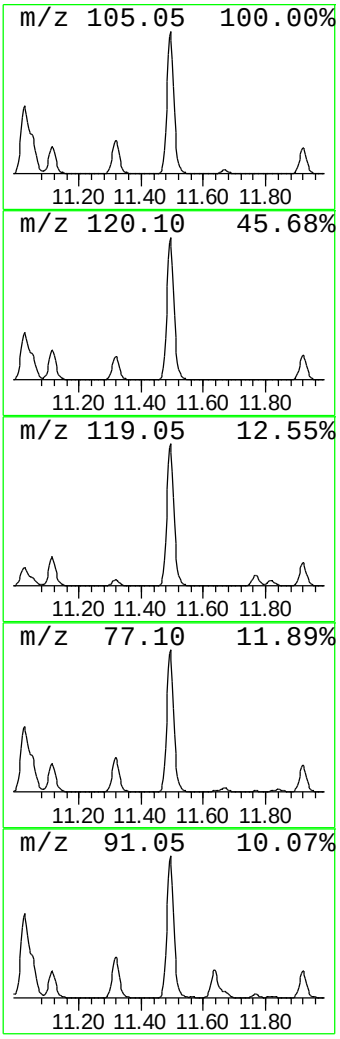
****

Peak Number 31 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	44.34 ug/L	6811140	1,4-Dichlorobenzene-d4	11.84

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

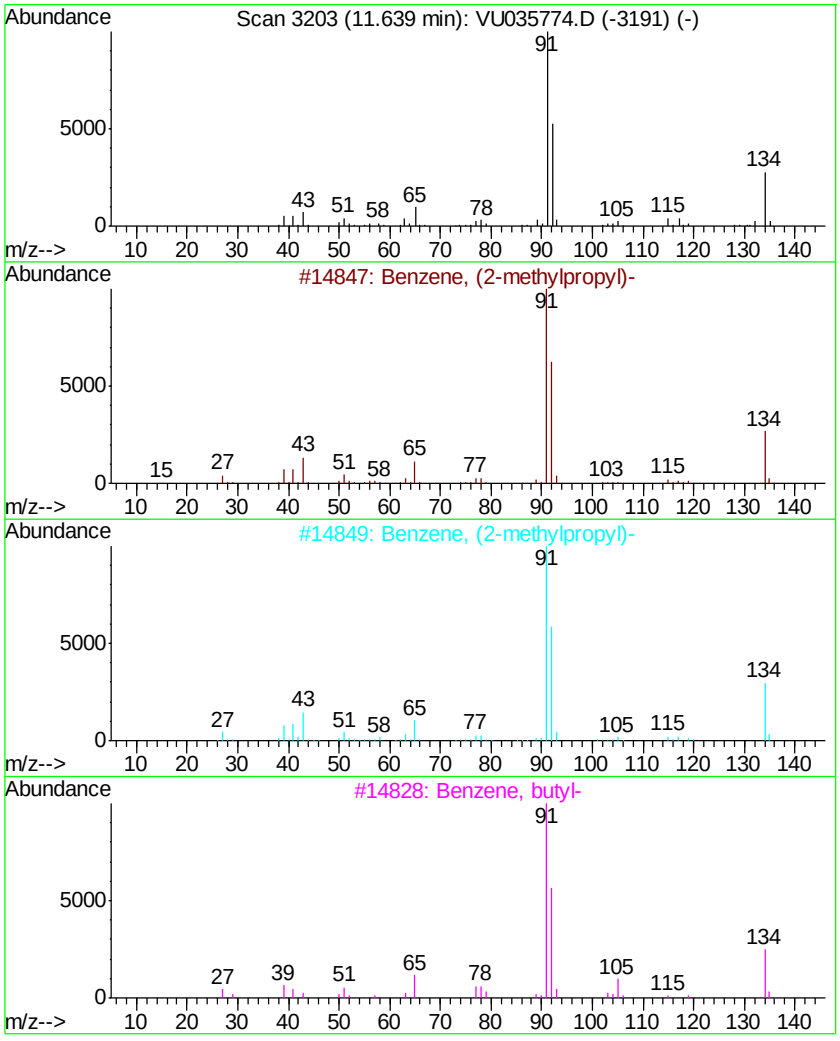
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

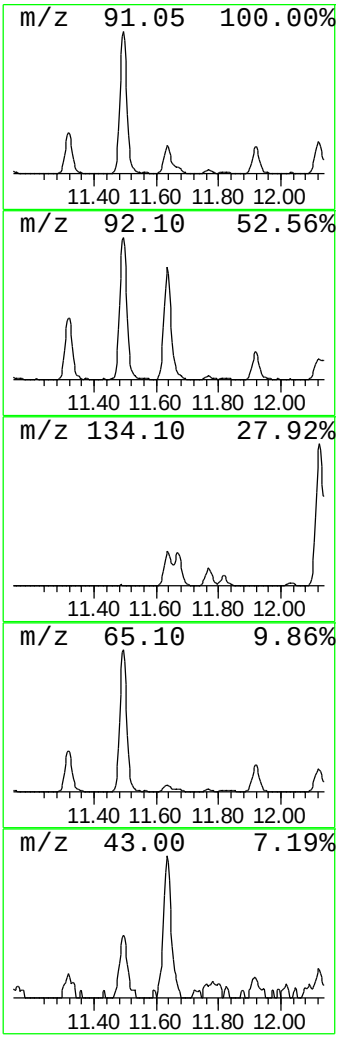
****

Peak Number 32 Benzene, (2-methylpropyl)- Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	0.81 ug/L	123836	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
2	Benzene, (2-methylpropyl)-	134	C10H14	000538-93-2	87
3	Benzene, butyl-	134	C10H14	000104-51-8	80
4	Benzene, butyl-	134	C10H14	000104-51-8	72
5	Benzene, butyl-	134	C10H14	000104-51-8	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

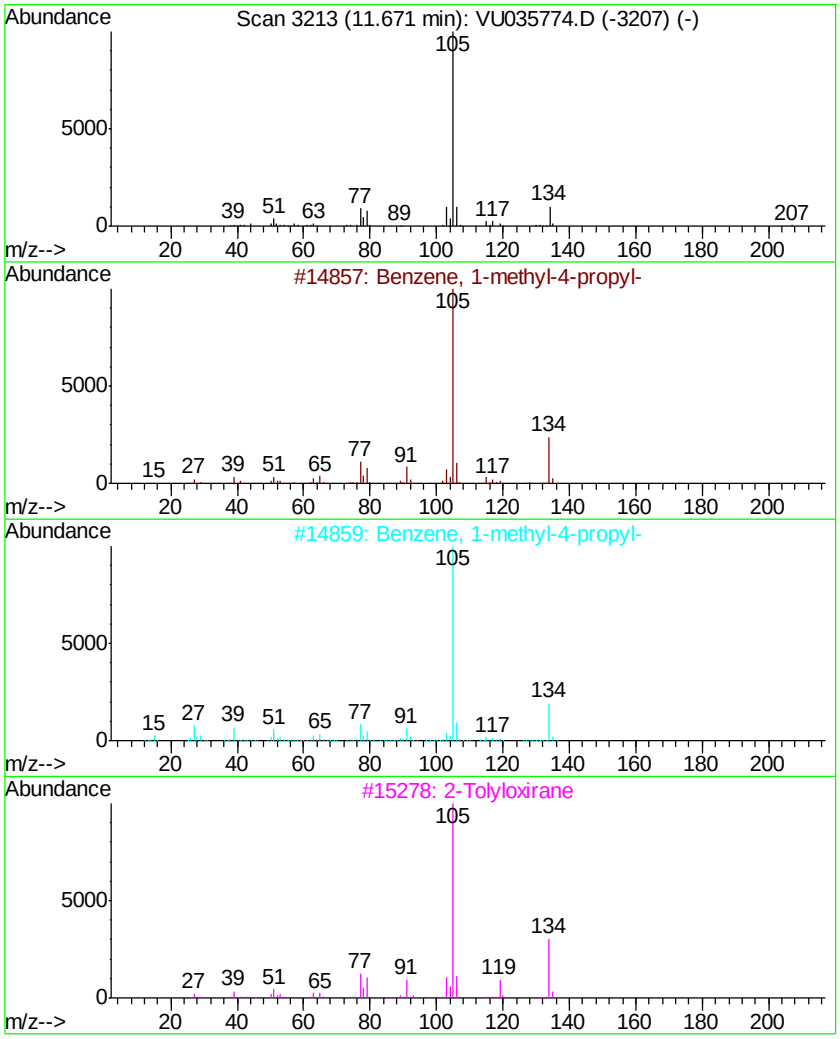
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

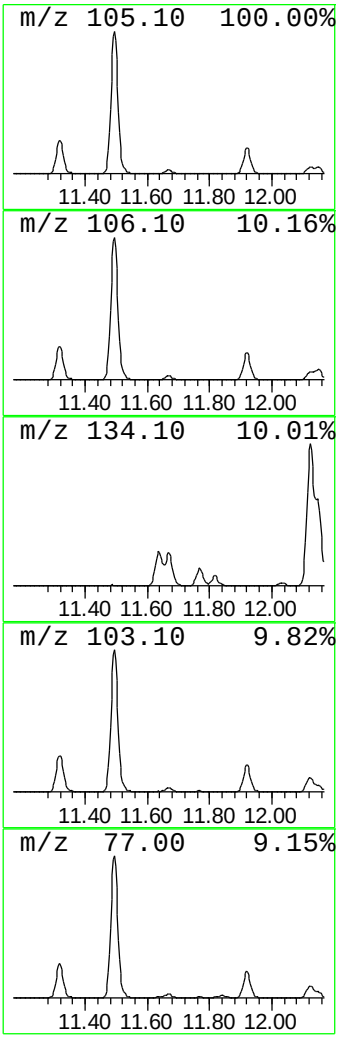
****

Peak Number 33 Benzene, 1-methyl-4-propyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	1.01 ug/L	154638	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	86
3	2-Tolyloxirane	134	C9H10O	002783-26-8	78
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	72
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

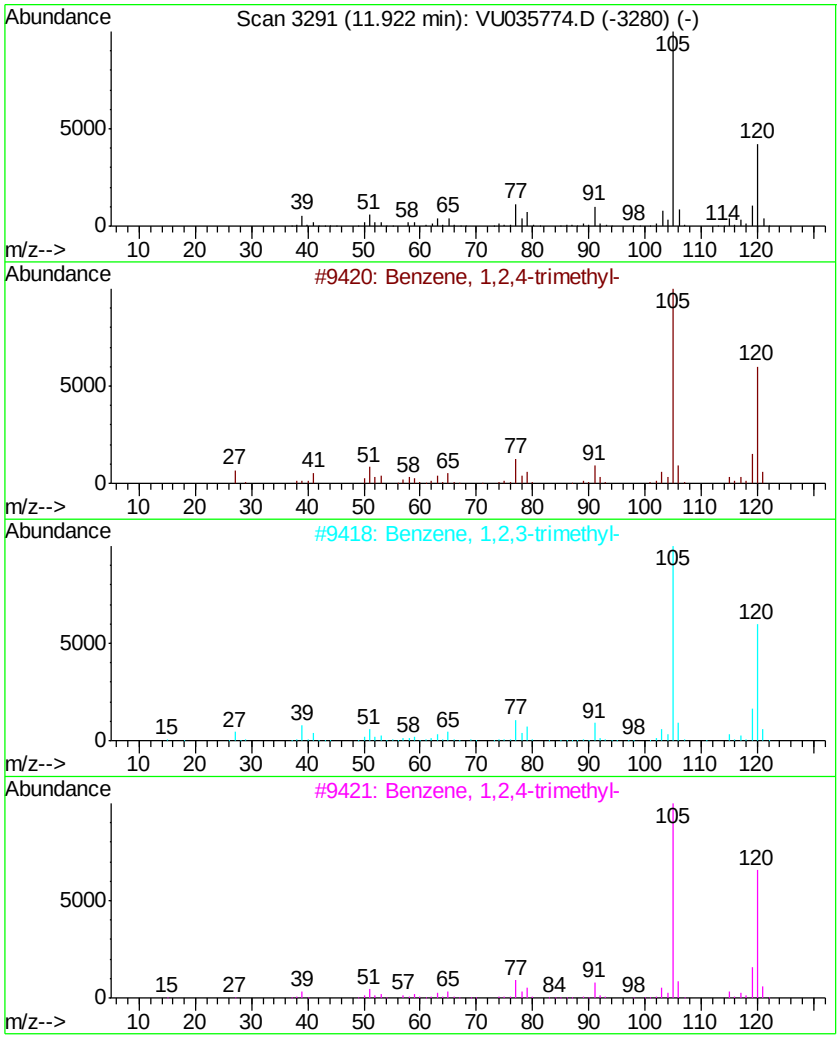
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

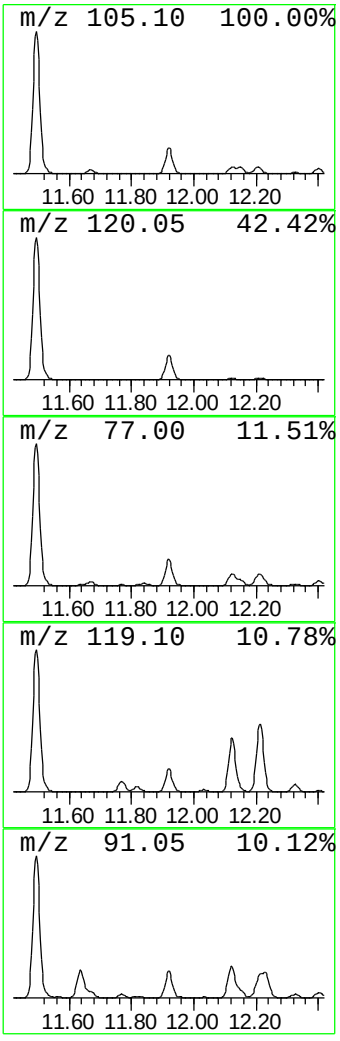
****

Peak Number 34 Benzene, 1,2,4-trimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	8.32 ug/L	1278700	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

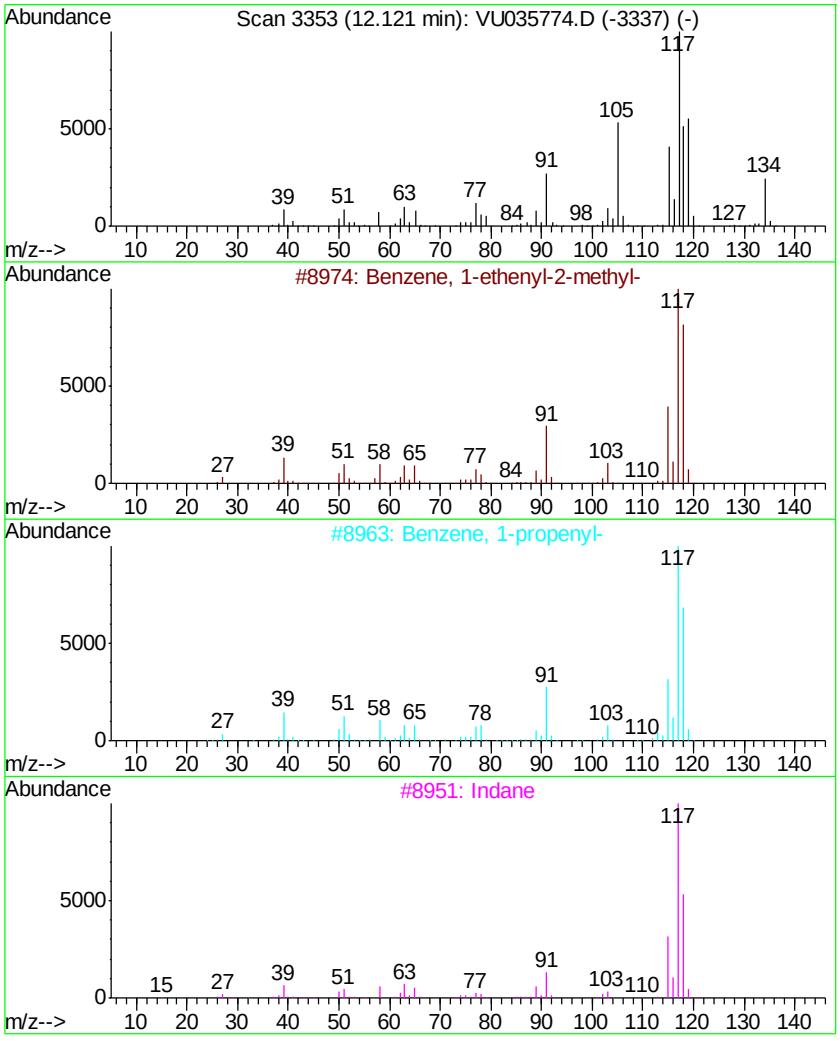
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

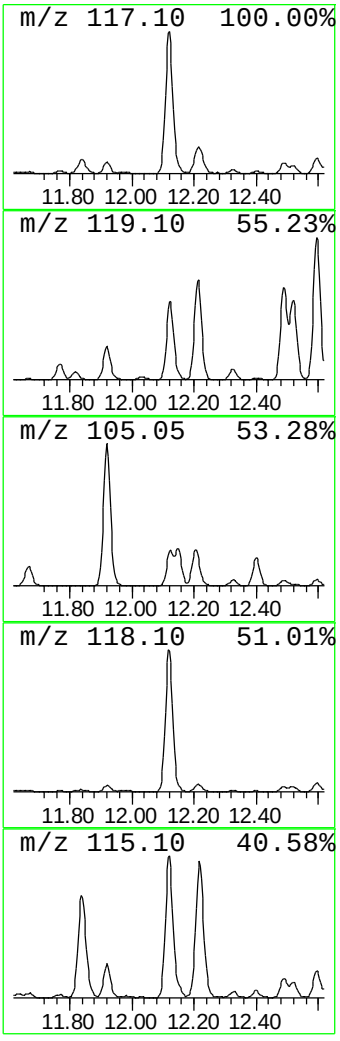
****

Peak Number 35 Benzene, 1-ethenyl-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	9.18 ug/L	1410610	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	80
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	55
3	Indane	118	C9H10	000496-11-7	50
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	50
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

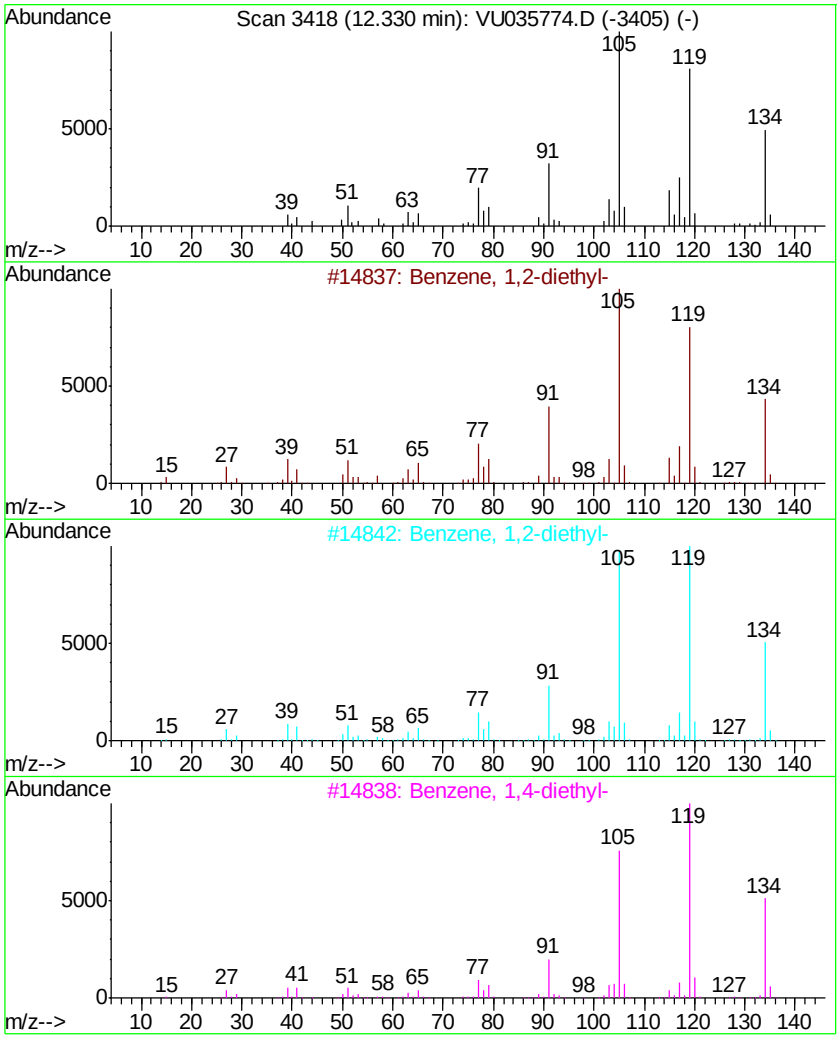
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

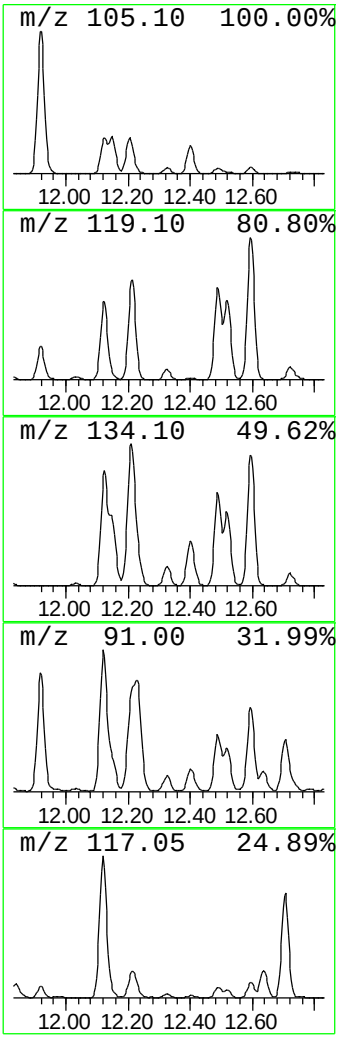
****

Peak Number 36 Benzene, 1,2-diethyl- Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	0.62 ug/L	95769	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	91
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90
5	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

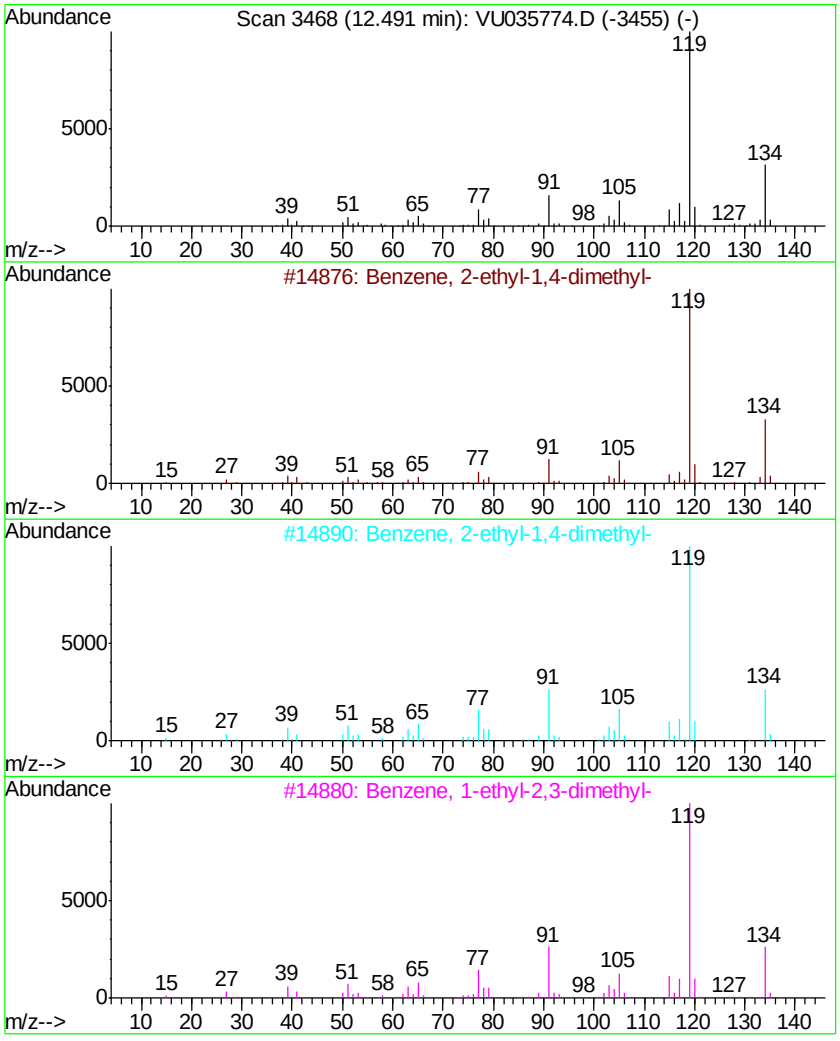
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

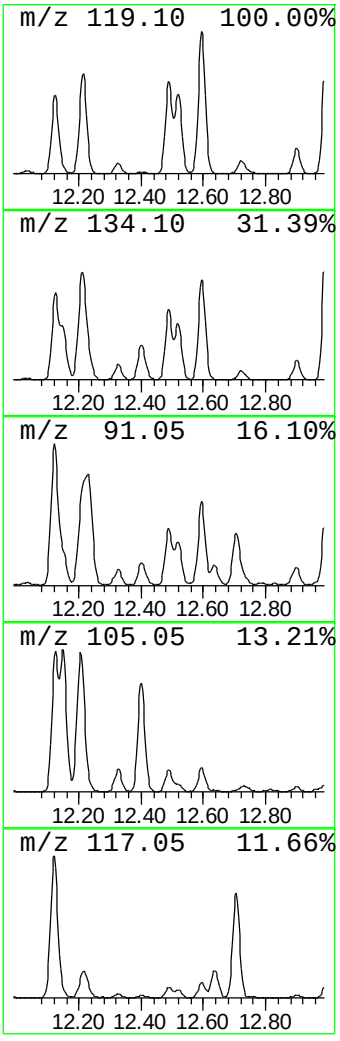
****

Peak Number 38 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	2.53 ug/L	389092	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

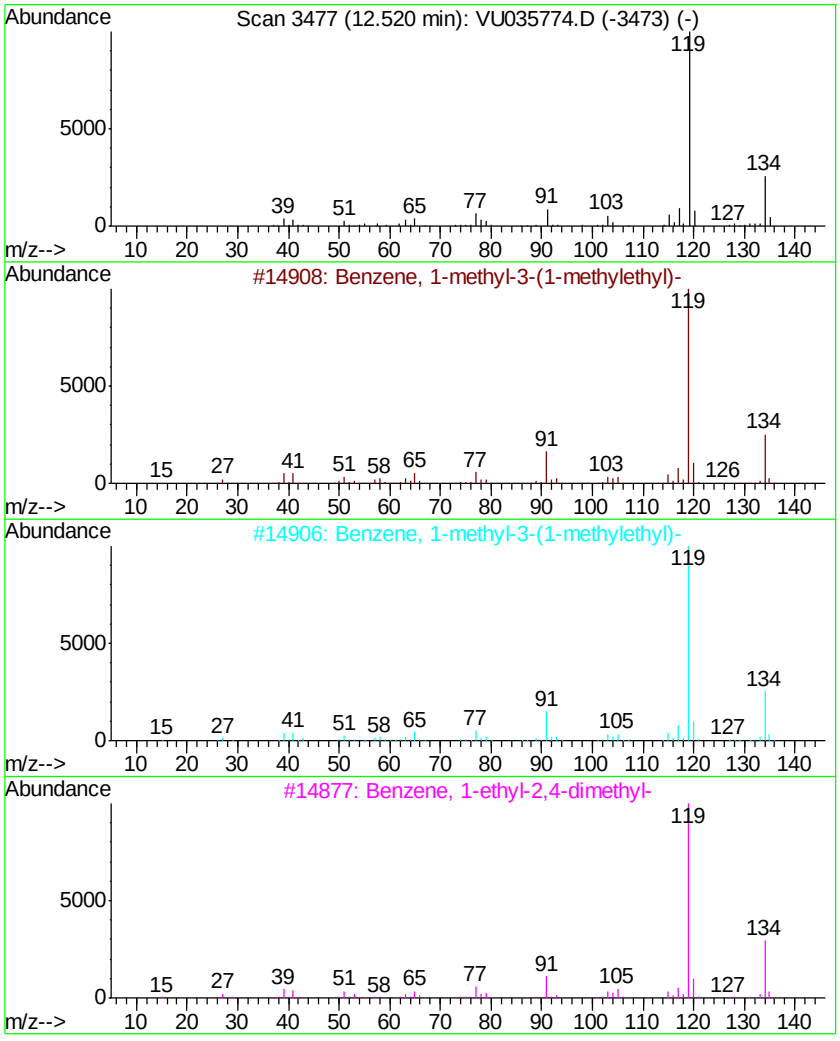
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

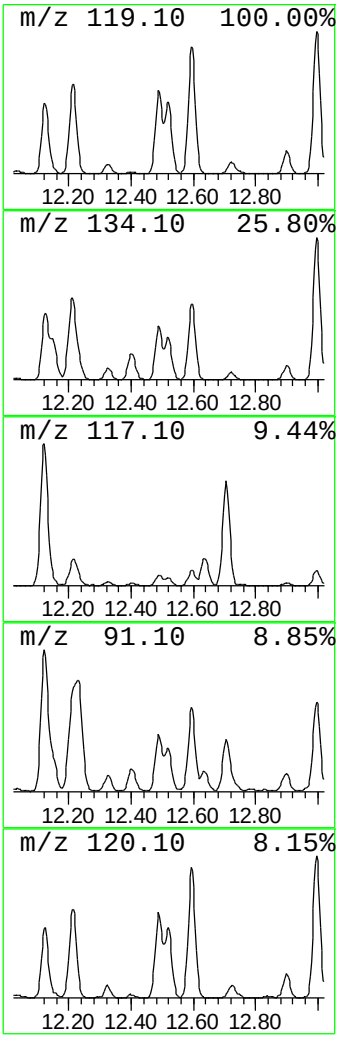
****

Peak Number 39 Benzene, 1-methyl-3-(1-meth... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	1.73 ug/L	265333	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
5	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

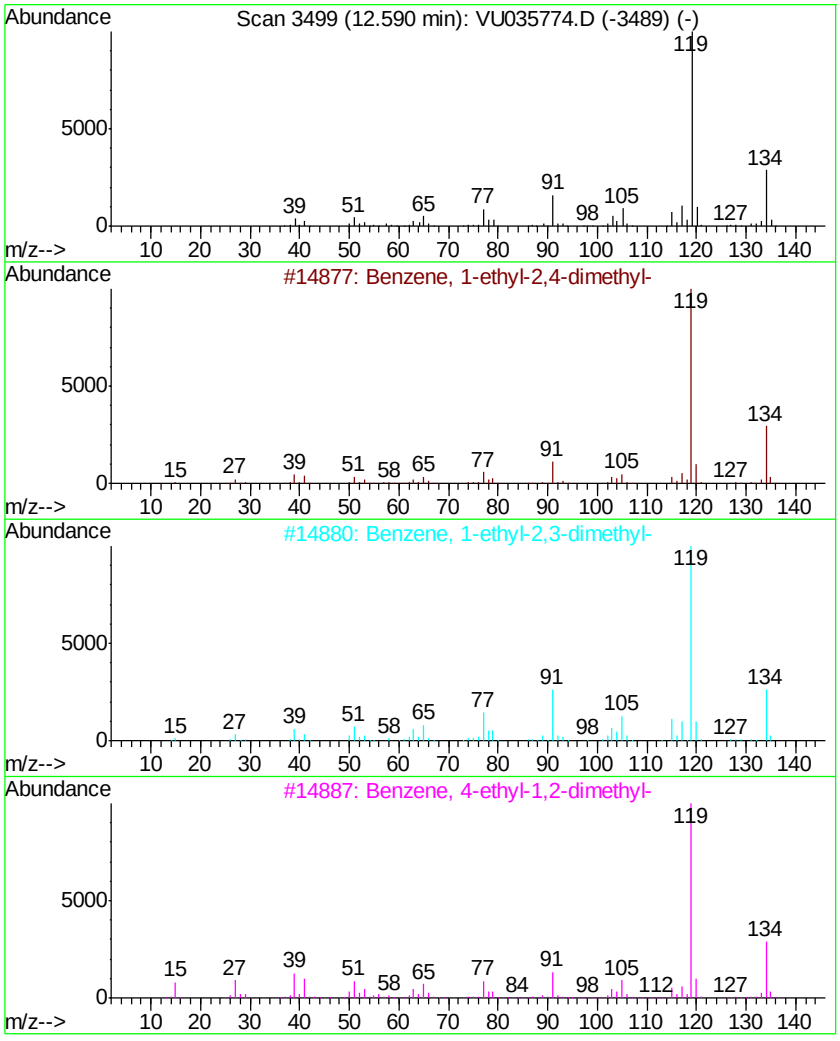
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

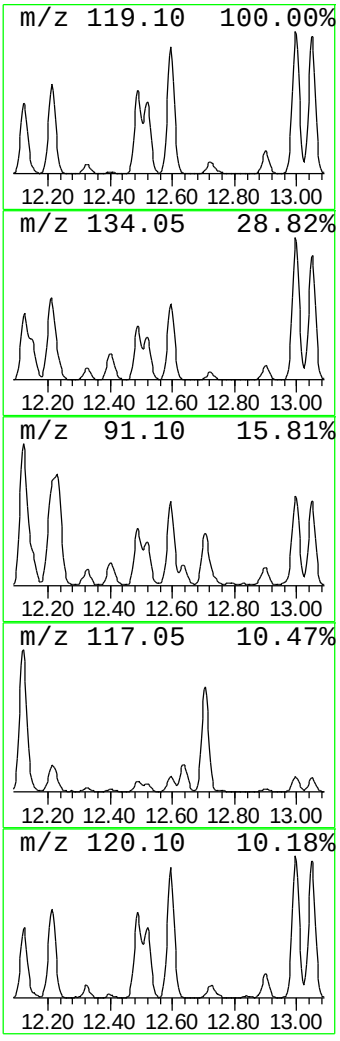
****

Peak Number 40 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	3.73 ug/L	573303	1,4-Dichlorobenzene-d4	11.84

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-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

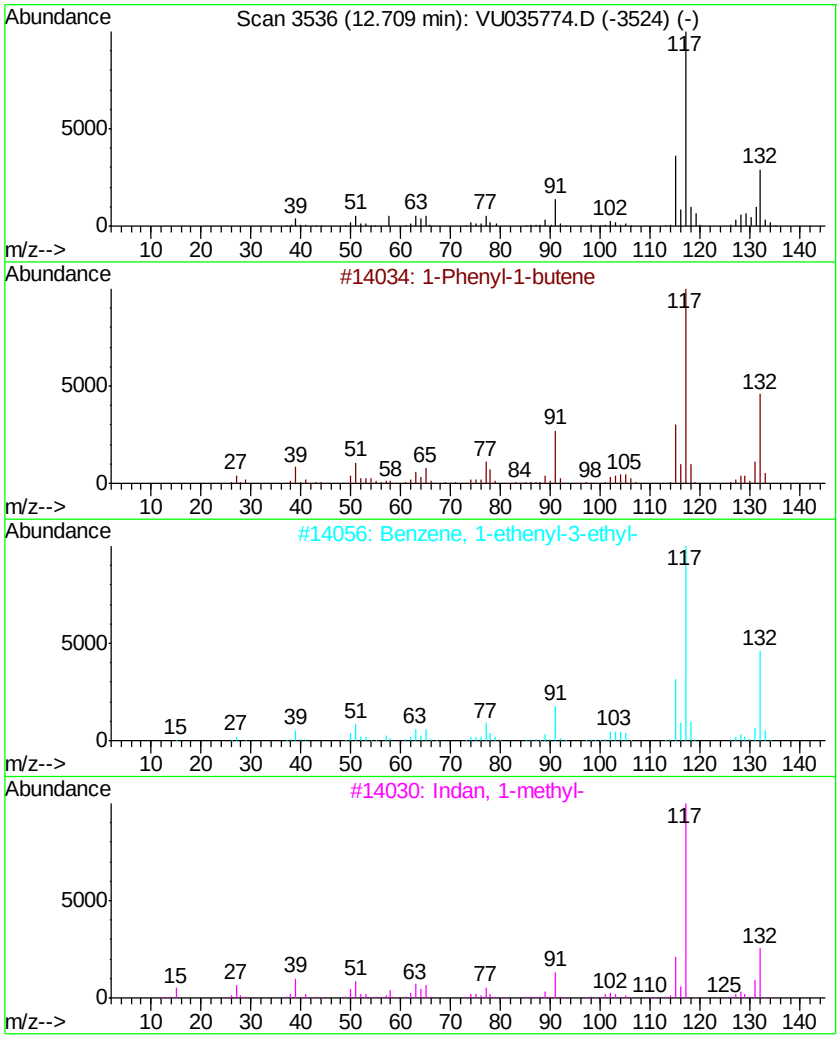
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

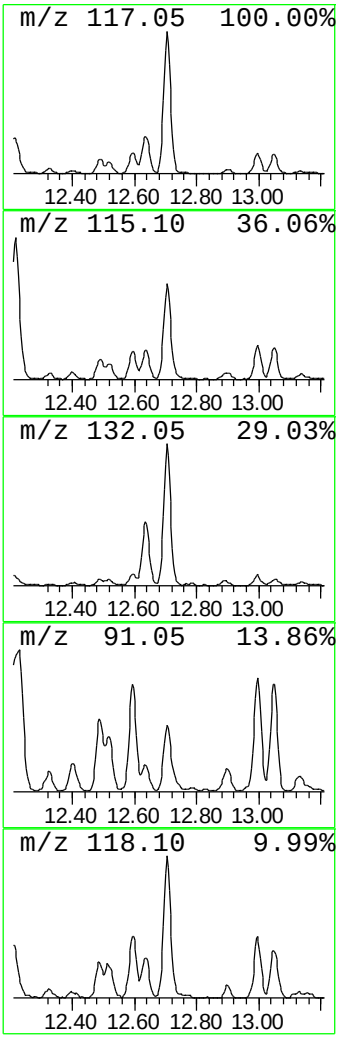
****

Peak Number 42 1-Phenyl-1-butene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	3.51 ug/L	539444	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	86
3	Indan, 1-methyl-	132	C10H12	000767-58-8	81
4	Indan, 1-methyl-	132	C10H12	000767-58-8	81
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

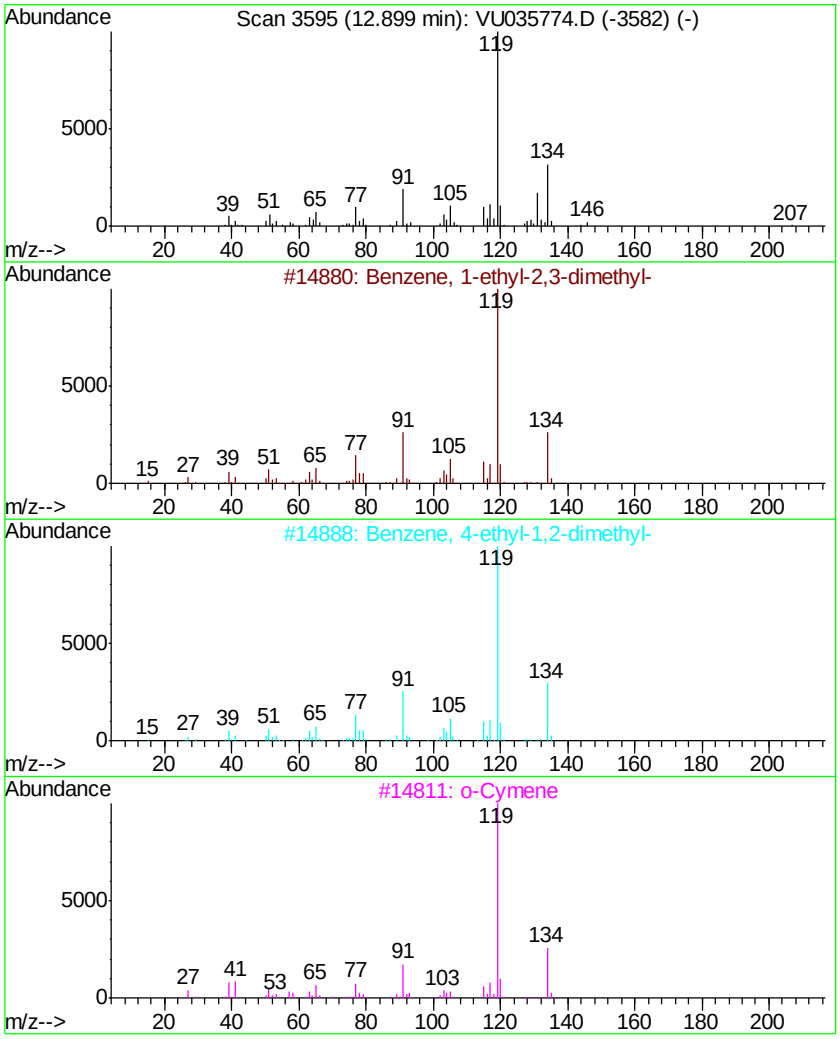
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

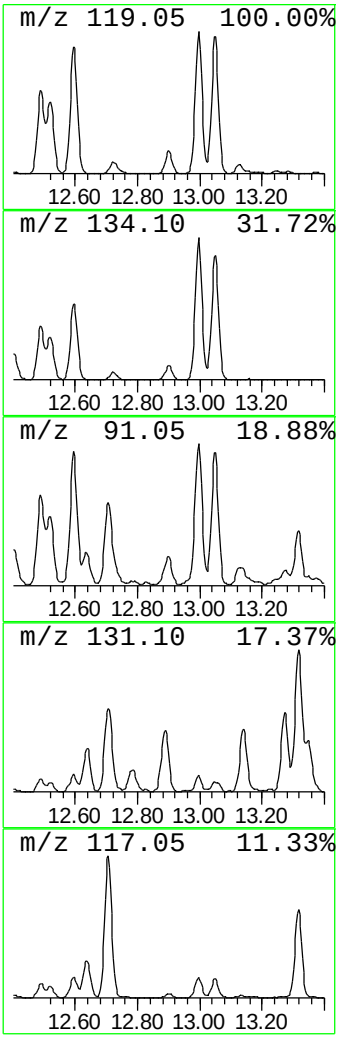
****

Peak Number 43 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	0.90 ug/L	138895	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	93
3	o-Cymene	134	C10H14	000527-84-4	91
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	90
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

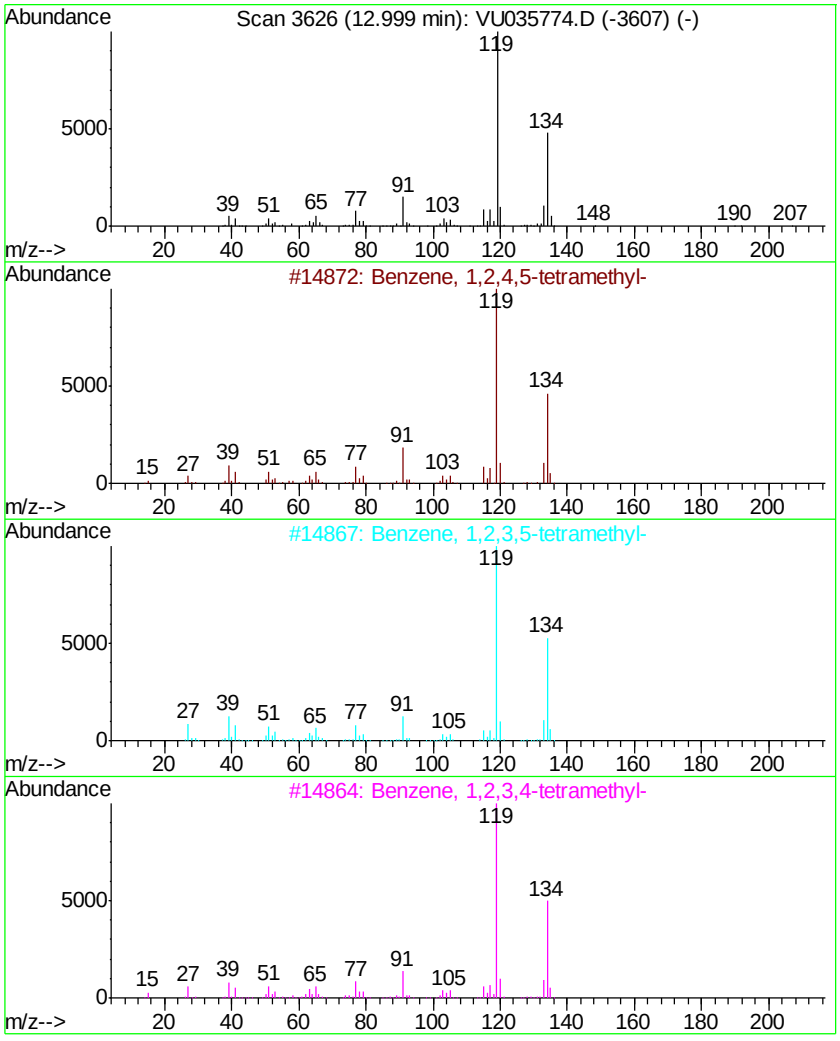
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

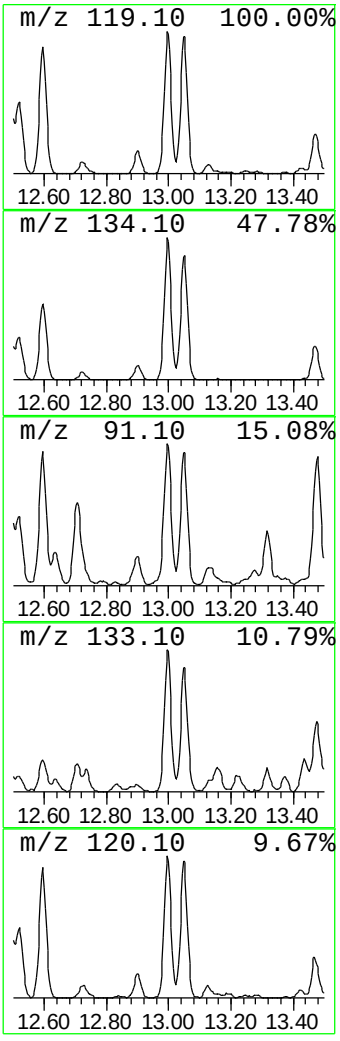
****

Peak Number 44 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	4.51 ug/L	692999	1,4-Dichlorobenzene-d4	11.84

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

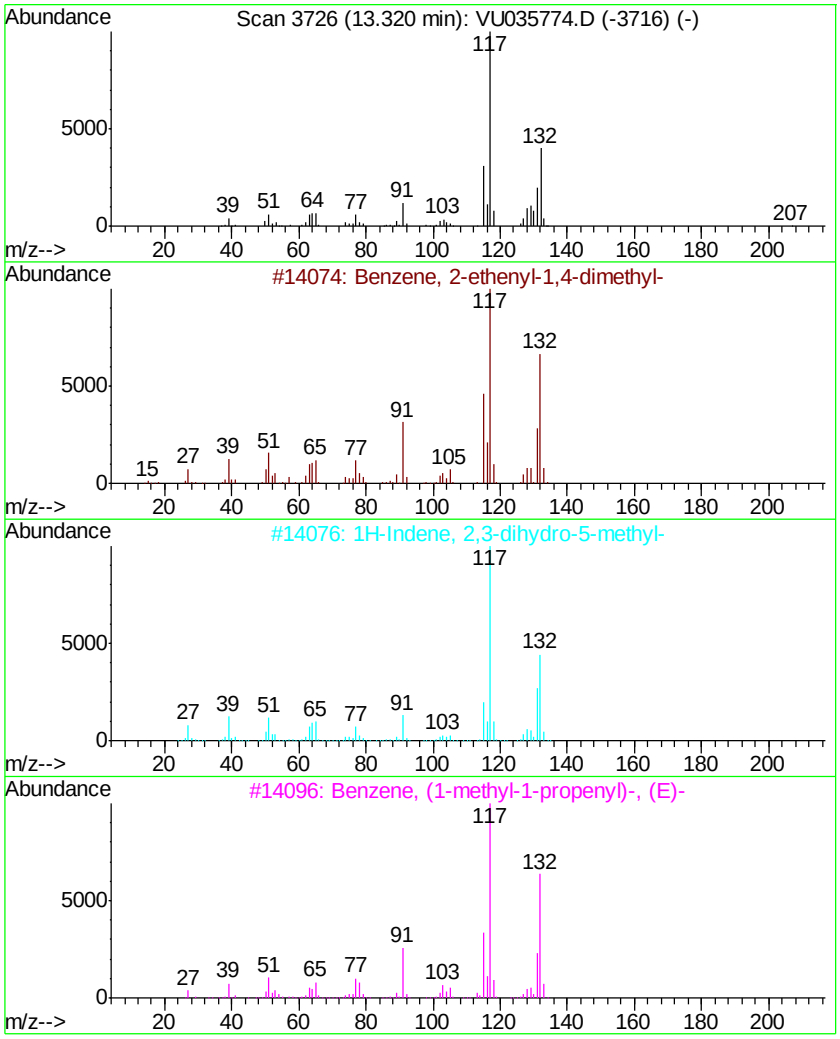
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

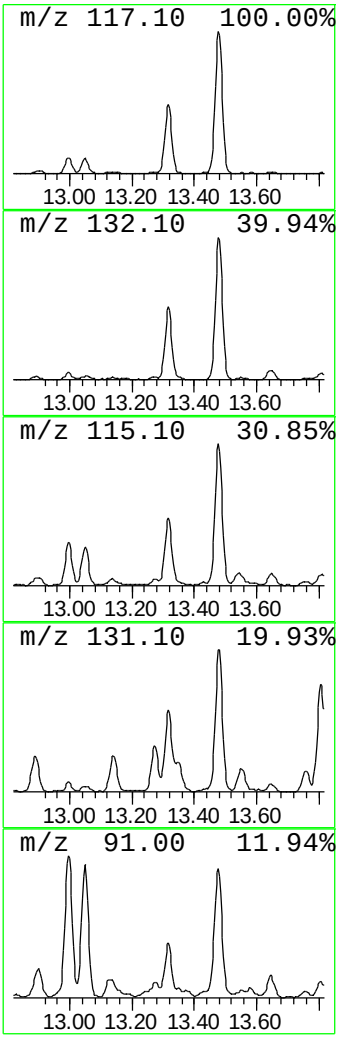
****

Peak Number 46 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.32	2.52 ug/L	387047	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	93
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	83





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

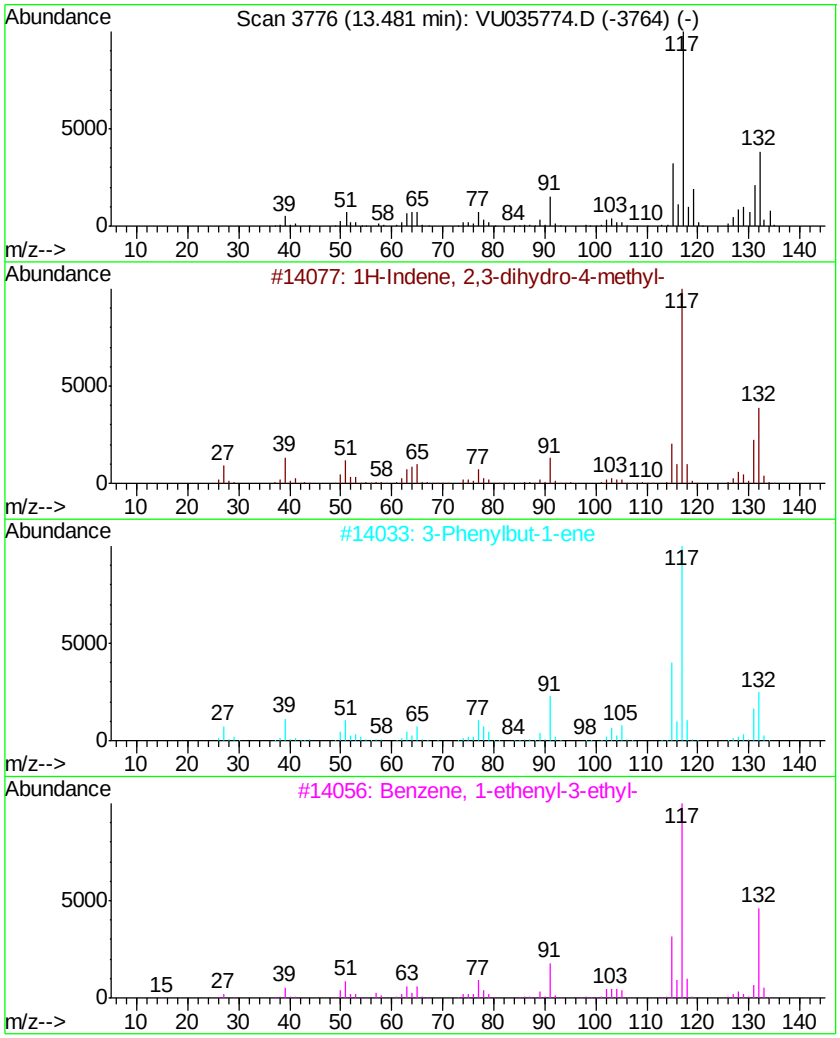
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

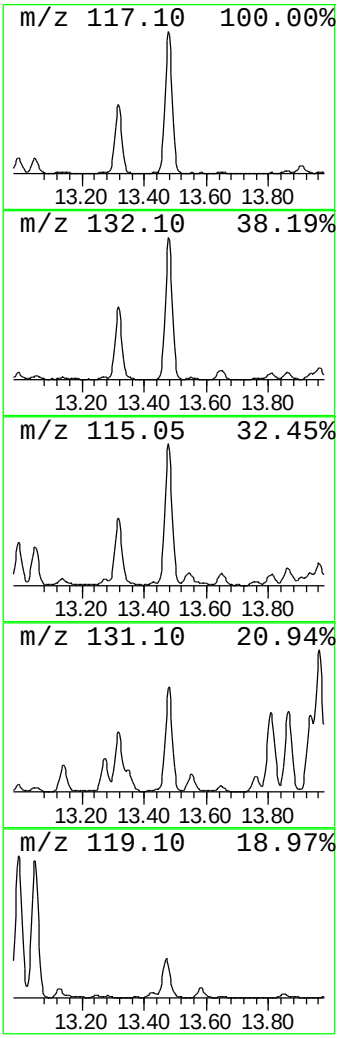
****

Peak Number 47 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	5.34 ug/L	820388	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	81
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76
4	Indan, 1-methyl-	132	C10H12	000767-58-8	76
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

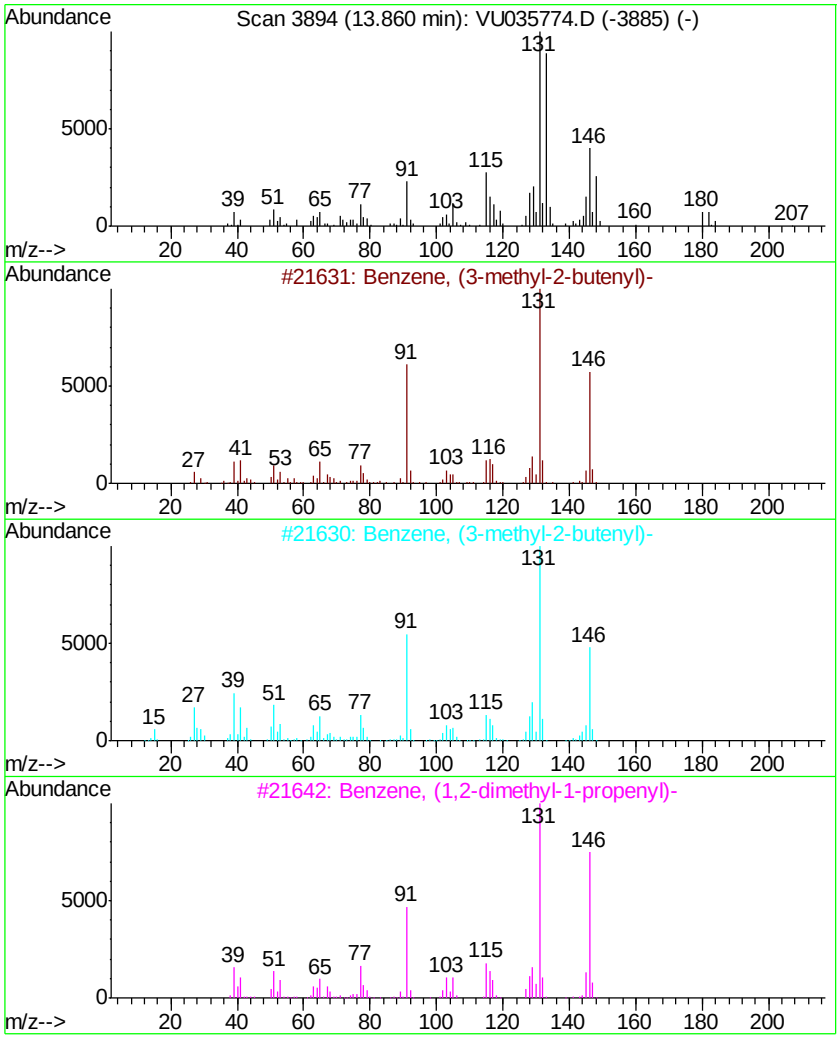
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

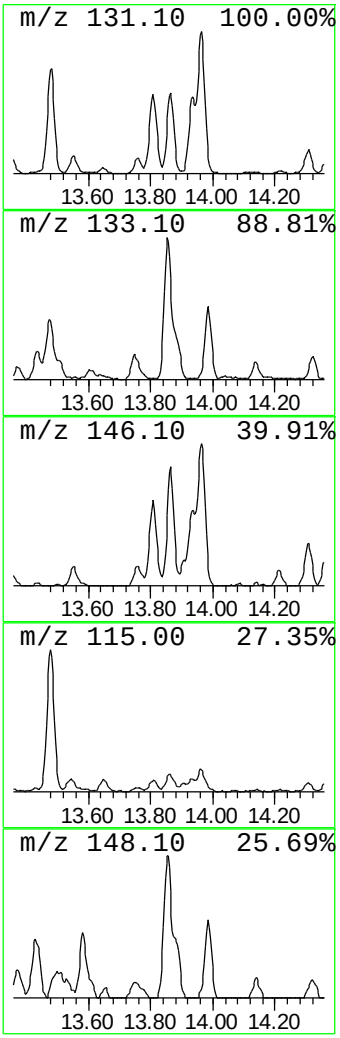
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Benzene, (3-methyl-2-butenyl)- Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	1.22 ug/L	188131	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	78
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	78
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	78
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	60
5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	60





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

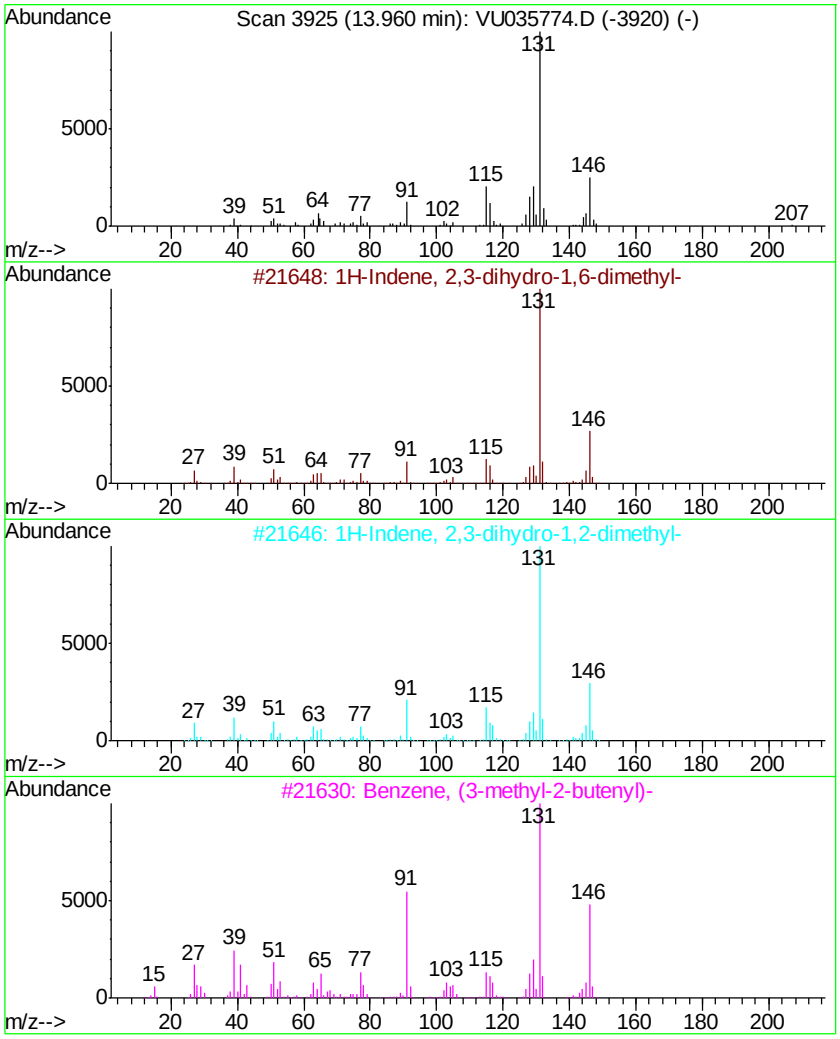
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.M
Quant Title : TRACE VOA SOM01.0

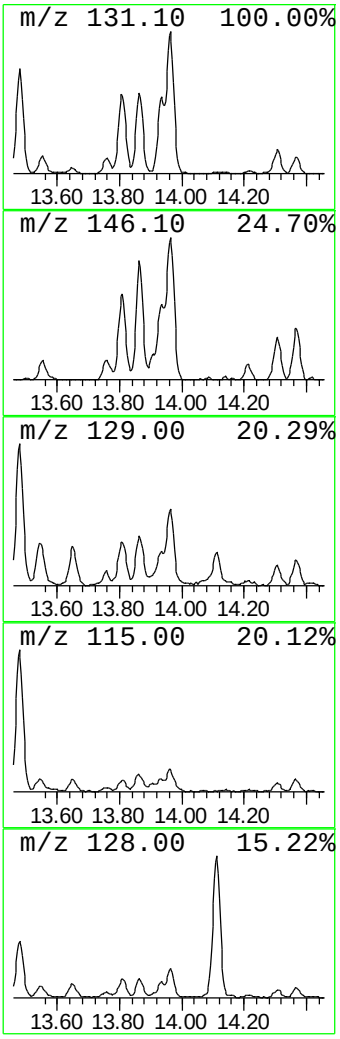
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	1.41 ug/L	216803	1,4-Dichlorobenzene-d4	11.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	93
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	93
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111919\
Data File : VU035774.D
Acq On : 19 Nov 2019 16:55
Operator : JC/SP
Sample : K5910-20DL 20X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GAQK3DL

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR110419WMA.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...	2.02	97.3	ug/L	9447440	1	6.29	485380	5.0
(DEL) Alkane: Str...	2.23	19.7	ug/L	1911990	1	6.29	485380	5.0
(DEL) Alkane: Str...	3.07	18.3	ug/L	1773090	1	6.29	485380	5.0
(DEL) Alkane: Str...	3.11	15.4	ug/L	1498900	1	6.29	485380	5.0
(DEL) Alkane: Str...	3.39	23.2	ug/L	2254800	1	6.29	485380	5.0
(DEL) Alkane: Cyc...	3.61	1.6	ug/L	158528	1	6.29	485380	5.0
(DEL) Alkane: Str...	3.74	4.0	ug/L	383047	1	6.29	485380	5.0
(DEL) Alkane: Cyc...	3.88	1.3	ug/L	126173	1	6.29	485380	5.0
(DEL) Alkane: Cyc...	3.96	2.2	ug/L	216105	1	6.29	485380	5.0
(DEL) Alkane: Cyc...	4.02	2.7	ug/L	258501	1	6.29	485380	5.0
(DEL) Alkane: Cyc...	4.14	1.9	ug/L	184410	1	6.29	485380	5.0
(DEL) Alkane: Cyc...	4.24	1.3	ug/L	121095	1	6.29	485380	5.0
(DEL) Alkane: Cyc...	4.38	2.9	ug/L	279667	1	6.29	485380	5.0
(DEL) Alkane: Str...	4.48	3.8	ug/L	371023	1	6.29	485380	5.0
(DEL) Alkane: Cyc...	4.57	21.7	ug/L	2104070	1	6.29	485380	5.0
(DEL) Alkane: Str...	5.50	9.8	ug/L	953881	1	6.29	485380	5.0
(DEL) Alkane: Str...	5.63	2.0	ug/L	194006	1	6.29	485380	5.0
(DEL) Alkane: Cyc...	5.89	3.6	ug/L	351596	1	6.29	485380	5.0
(DEL) Alkane: Str...	5.94	12.3	ug/L	1192810	1	6.29	485380	5.0
(DEL) Alkane: Cyc...	6.03	2.4	ug/L	227940	1	6.29	485380	5.0
Cyclopentene, 4,4...	6.61	1.8	ug/L	170851	1	6.29	485380	5.0
(DEL) Alkane: Str...	7.29	3.8	ug/L	368831	1	6.29	485380	5.0
(DEL) Alkane: Str...	7.42	6.5	ug/L	625687	1	6.29	485380	5.0
Cyclohexene, 1-me...	7.79	1.1	ug/L	105199	1	6.29	485380	5.0
5,5-Dimethyl-1,3-...	8.44	0.9	ug/L	115963	2	9.45	651905	5.0
Benzene, propyl-	10.93	8.3	ug/L	1270810	3	11.84	768123	5.0
Benzene, 1-ethyl-...	11.02	28.9	ug/L	4446910	3	11.84	768123	5.0
Mesitylene	11.11	9.0	ug/L	1382810	3	11.84	768123	5.0
Benzene, 1-ethyl-...	11.32	10.1	ug/L	1551150	3	11.84	768123	5.0
Benzene, 1,2,3-tr...	11.49	44.3	ug/L	6811140	3	11.84	768123	5.0
Benzene, (2-methy...	11.64	0.8	ug/L	123836	3	11.84	768123	5.0
Benzene, 1-methyl...	11.67	1.0	ug/L	154638	3	11.84	768123	5.0
Benzene, 1,2,4-tr...	11.92	8.3	ug/L	1278700	3	11.84	768123	5.0
Benzene, 1-etheny...	12.12	9.2	ug/L	1410610	3	11.84	768123	5.0
Benzene, 1,2-diet...	12.33	0.6	ug/L	95769	3	11.84	768123	5.0
Benzene, 2-ethyl-...	12.49	2.5	ug/L	389092	3	11.84	768123	5.0
Benzene, 1-methyl...	12.52	1.7	ug/L	265333	3	11.84	768123	5.0
Benzene, 1-ethyl-...	12.59	3.7	ug/L	573303	3	11.84	768123	5.0
1-Phenyl-1-butene	12.71	3.5	ug/L	539444	3	11.84	768123	5.0
Benzene, 1-ethyl-...	12.90	0.9	ug/L	138895	3	11.84	768123	5.0
Benzene, 1,2,4,5-...	13.00	4.5	ug/L	692999	3	11.84	768123	5.0
Benzene, 2-etheny...	13.32	2.5	ug/L	387047	3	11.84	768123	5.0
1H-Indene, 2,3-di...	13.48	5.3	ug/L	820388	3	11.84	768123	5.0
Benzene, (3-methy...	13.86	1.2	ug/L	188131	3	11.84	768123	5.0
1H-Indene, 2,3-di...	13.96	1.4	ug/L	216803	3	11.84	768123	5.0