LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

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\SOMUTR060419WMA.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	1.395	85	95	104	rBV	7824143	7547224	2.35%	0.461%
2	1.749	195	205	229	rVB	43450362	54503686	16.97%	3.333%
3	1.897	241	251	257	rBV	2967995	3731027	1.16%	0.228%
4	1.942	257	265	286	rVV3	14106267	21927480	6.83%	1.341%
5	2.045	286	297	310	rVV	10768163	13982025	4.35%	0.855%
6	2.132	311	324	331	rVV	6213591	8796925	2.74%	0.538%
7	2.180	331	339	358	rVV	19511842	27489997	8.56%	1.681%
8	2.299	359	376	417	rVB2	2473317	5110541	1.59%	0.312%
9	2.675	465	493	504	rBV2	6008851	17019732	5.30%	1.041%
10	2.736	505	512	518	rVV	7296248	13336521	4.15%	0.815%
11	2.781	519	526	565	rVV2	9917580	19366734	6.03%	1.184%
12	2.984	568	589	622	rVB	5625103	11492626	3.58%	0.703%
13	3.180	632	650	668	rBV4	1486952	3484411	1.08%	0.213%
14	3.286	668	683	704	rVB	2374131	4947853	1.54%	0.303%
15	3.482	732	744	753	rVV	1865397	4371202	1.36%	0.267%
16	3.540	753	762	778	rVV	2389166	5285592	1.65%	0.323%
17	3.643	778	794	805	rVV	1560768	3775088	1.18%	0.231%
18	3.723	805	819	833	rVV4	2190683	6912583	2.15%	0.423%
19	3.878	853	867	884	rVV	2107489	5360447	1.67%	0.328%
20	4.083	912	931	947	rVV	9169327	24192443	7.53%	1.479%
21	4.768	1119	1144	1162	rVB	3230615	8148682	2.54%	0.498%
22	4.987	1195	1212	1226	rBV2	6873918	16806043	5.23%	1.028%
23	5.071	1226	1238	1265	rVB	2351489	6561628	2.04%	0.401%
24	5.212	1265	1282	1303	rBV3	1207947	3620773	1.13%	0.221%
25	5.392	1319	1338	1353	rBV2	24512333	51766039	16.12%	3.165%
26	5.518	1370	1377	1396	rVV5	2897321	8271403	2.58%	0.506%
27	5.614	1396	1407	1442	rVB3	1315335	3554183	1.11%	0.217%
28	5.939	1496	1508	1534	rVB6	1443907	4672032	1.45%	0.286%
29	6.408	1635	1654	1669	rBV3	3912971	9193403	2.86%	0.562%
30	7.064	1832	1858	1870	rBV3	2121623	5069870	1.58%	0.310%
31	9.279	2525	2547	2564	rVB3	64843690	167219996	52.06%	10.225%
32	9.431	2565	2594	2614	rVV5	85715929	321184387	100.00%	19.639%
33	9.816	2669	2714	2743	rBV3	76069977	206934710	64.43%	12.653%
34	10.167	2811	2823	2835	rBV	4502673	6854932	2.13%	0.419%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

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\SOMUTR060419WMA.M
Title : TRACE VOA SOM01.0

35	10.588	2935	2954	2968	rBV	13805265	21646687	6.74%	1.324%
36	10.694	2970	2987	3003	rVV2	39526357	101910061	31.73%	6.231%
37	10.781	3003	3014	3038	rVB	25120379	38714655	12.05%	2.367%
38	10.977	3059	3075	3097	rVB	24785670	39179187	12.20%	2.396%
39	11.170	3115	3135	3146	rBV3	66152982	140145197	43.63%	8.569%
40	11.575	3246	3261	3273	rBV2	26920843	42349122	13.19%	2.589%
41	11.771	3307	3322	3330	rBV	24066366	39645712	12.34%	2.424%
42	11.807	3330	3333	3341	rVV	4364066	5190968	1.62%	0.317%
43	11.871	3341	3353	3370	rVV3	6916958	13638799	4.25%	0.834%
44	11.977	3374	3386	3398	rVV	2437288	3843354	1.20%	0.235%
45	12.144	3426	3438	3443	rBV	4607956	7353493	2.29%	0.450%
46	12.173	3443	3447	3458	rVV	4150056	5619613	1.75%	0.344%
47	12.250	3458	3471	3478	rVV	7231932	10929813	3.40%	0.668%
48	12.353	3492	3503	3533	rVV2	5028597	9152610	2.85%	0.560%
49	12.646	3576	3594	3602	rBV	4431984	6731737	2.10%	0.412%
50	12.701	3602	3611	3626	rVB	6580257	9927812	3.09%	0.607%
51	12.961	3682	3692	3706	rVB	5212072	7948696	2.47%	0.486%
52	13.118	3720	3741	3753	rBV3	10366360	17779077	5.54%	1.087%
53	13.739	3913	3934	3959	rBV	13259135	21098703	6.57%	1.290%
54	14.871	4275	4286	4313	rVB	4122705	6719391	2.09%	0.411%
55	15.057	4332	4344	4359	rBV	2087174	3414993	1.06%	0.209%

Sum of corrected areas: 1635431898

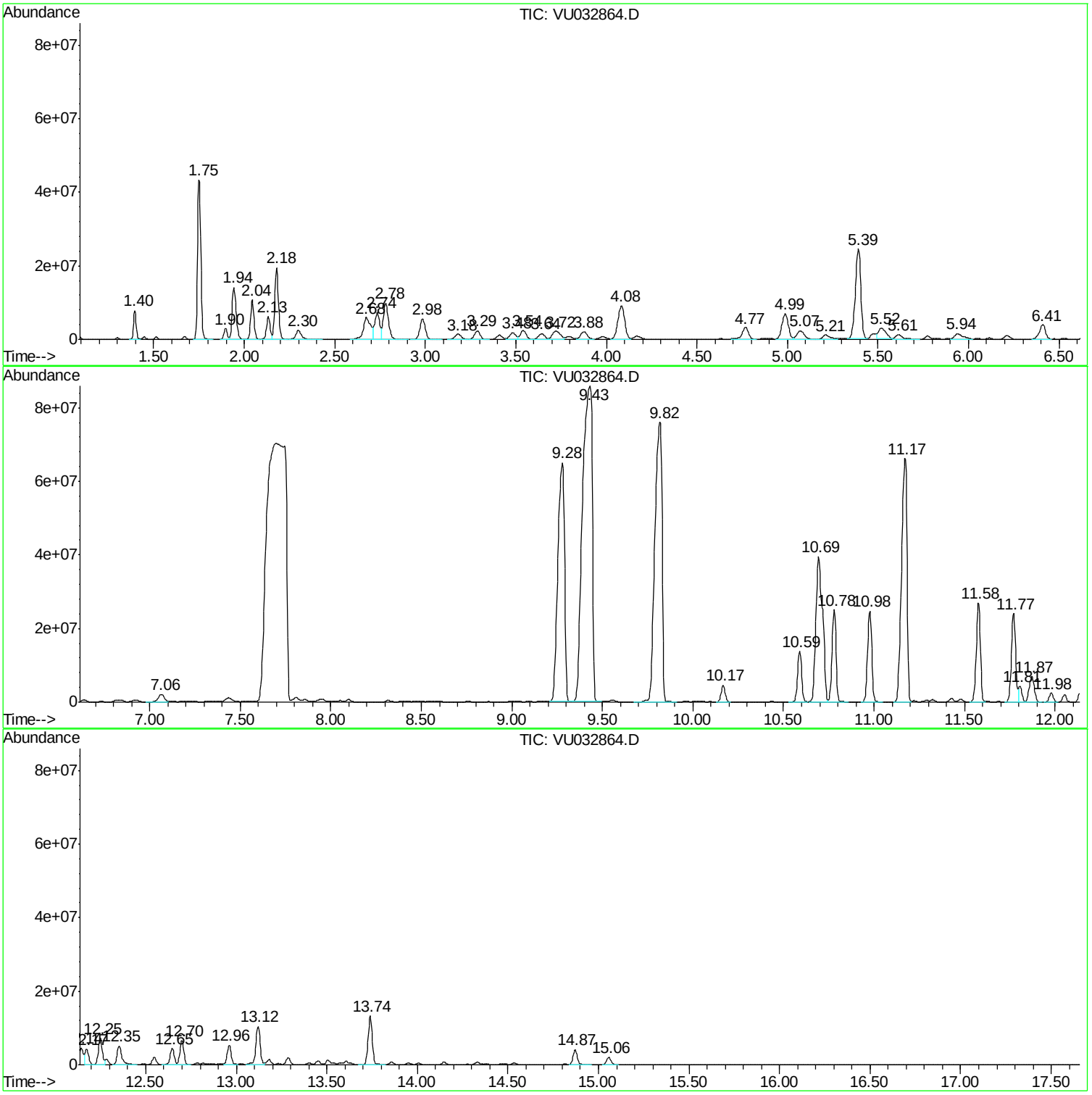
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

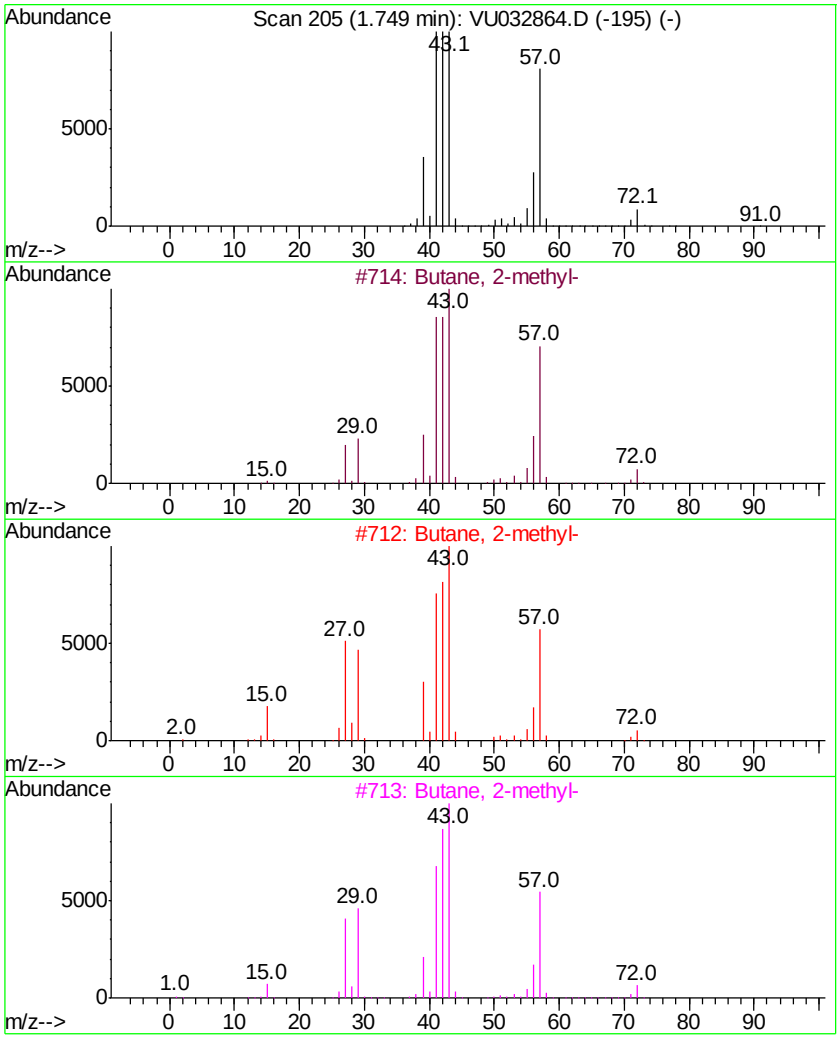
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

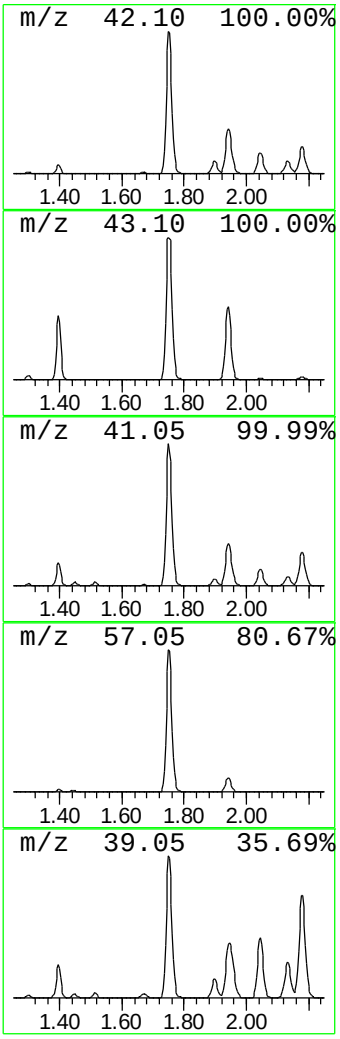
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.75	58.33 ug/L	54503700	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	94
2	Butane, 2-methyl-	72	C5H12	000078-78-4	86
3	Butane, 2-methyl-	72	C5H12	000078-78-4	83
4	3-Buten-1-ol	72	C4H8O	000627-27-0	43
5	Pentane	72	C5H12	000109-66-0	33





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

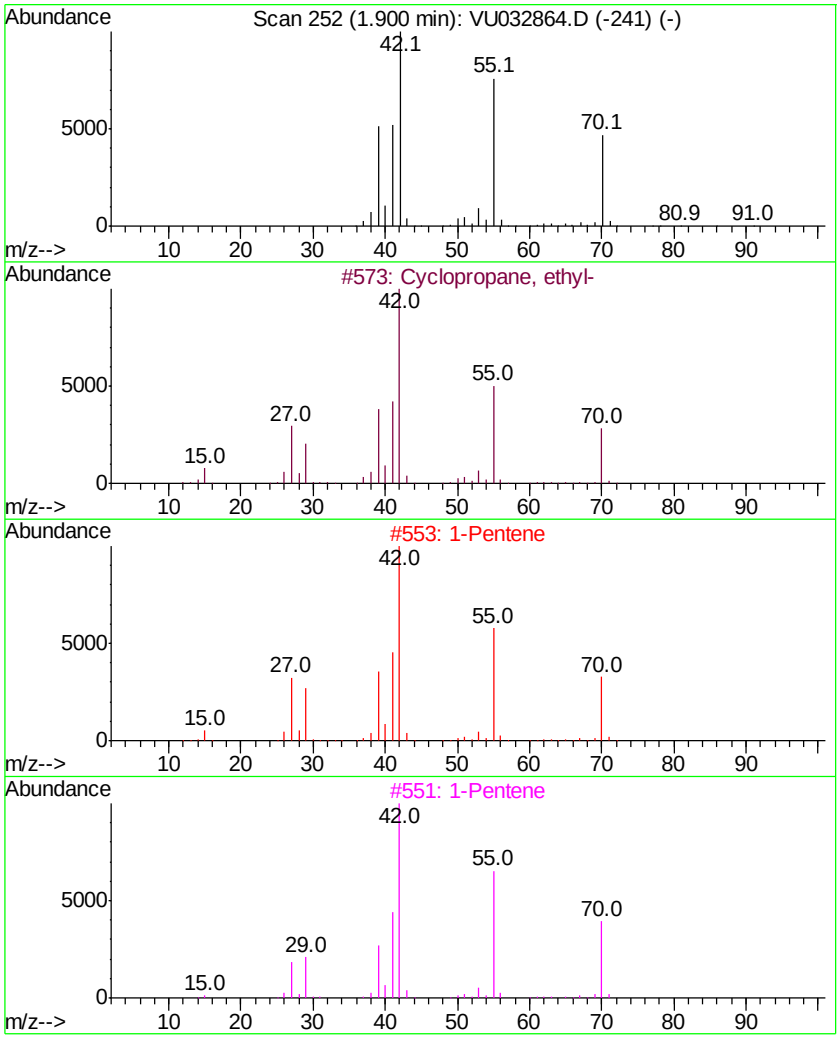
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

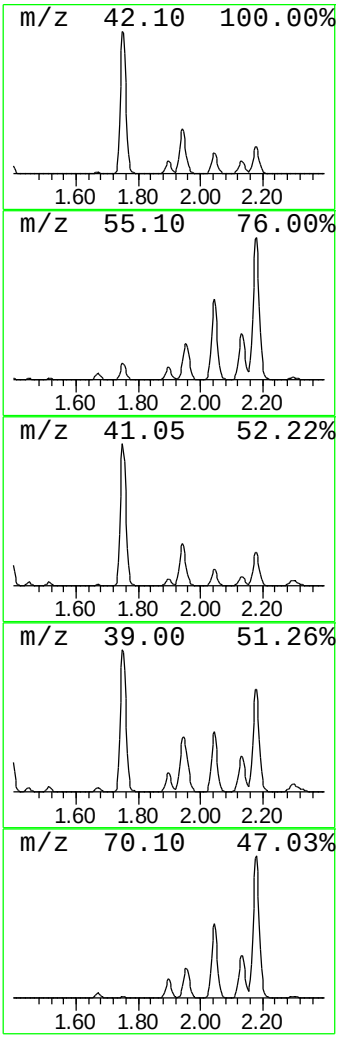
****

Peak Number 2 (DEL) Alkane: Cyclic1.90 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.90	3.99 ug/L	3731030	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, ethyl-	70	C5H10	001191-96-4	76
2	1-Pentene	70	C5H10	000109-67-1	70
3	1-Pentene	70	C5H10	000109-67-1	68
4	Cyclopropane, ethyl-	70	C5H10	001191-96-4	64
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

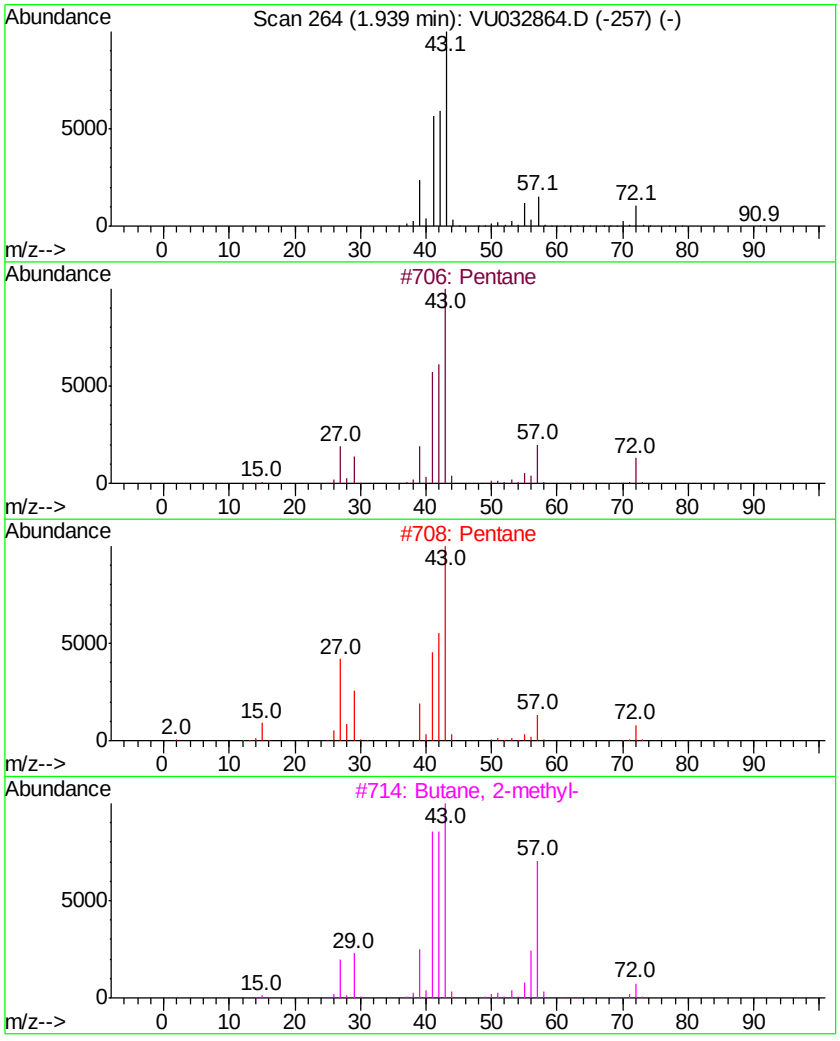
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

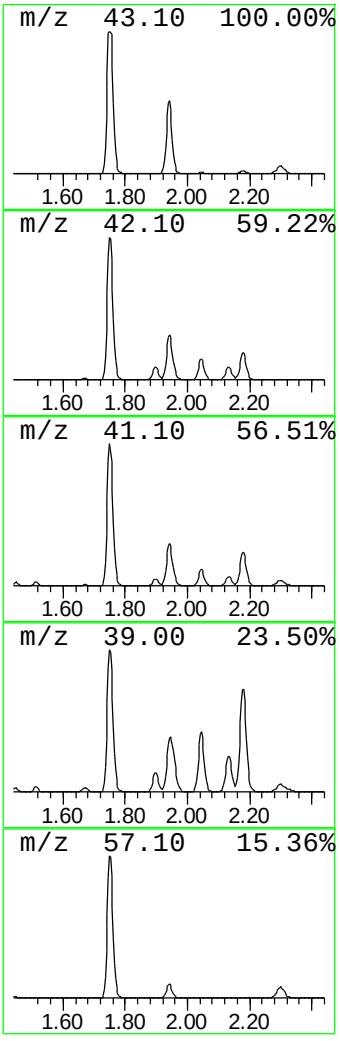
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.94	23.47 ug/L	21927500	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Pentane	72	C5H12	000109-66-0	80
3	Butane, 2-methyl-	72	C5H12	000078-78-4	72
4	Pentane	72	C5H12	000109-66-0	72
5	Pentane	72	C5H12	000109-66-0	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

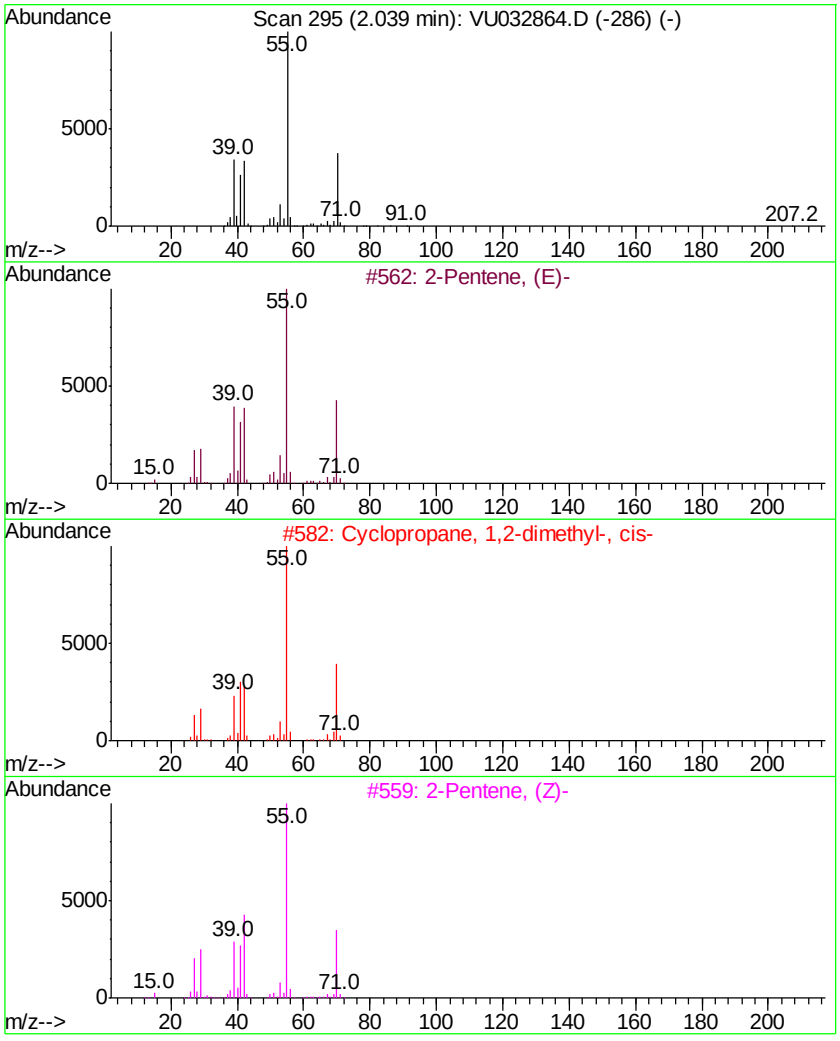
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

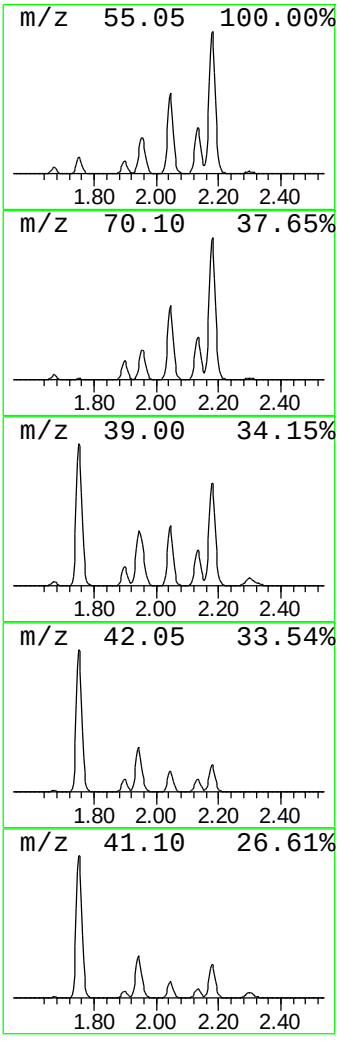
****

Peak Number 4 (DEL) Alkane: Cyclic2.04 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.04	14.96 ug/L	13982000	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (E)-	70	C5H10	000646-04-8	93
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	90
4	2-Methyl-1-butene	70	C5H10	000563-46-2	90
5	2-Methyl-1-butene	70	C5H10	000563-46-2	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

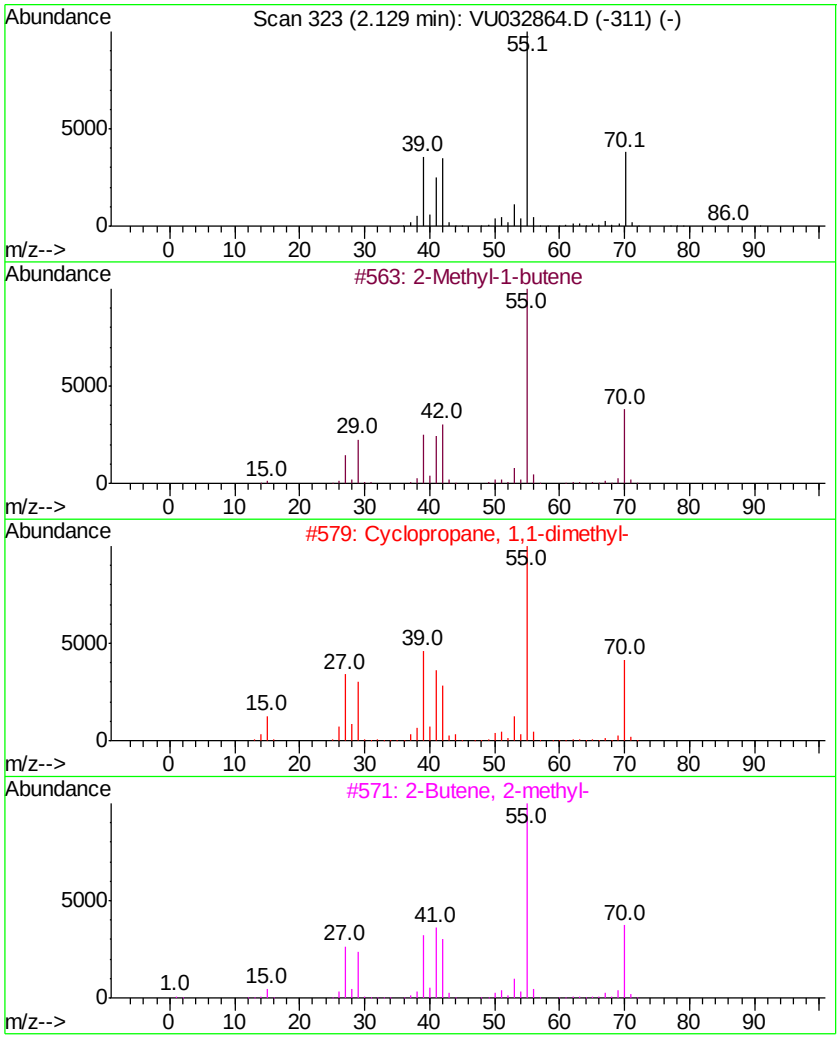
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

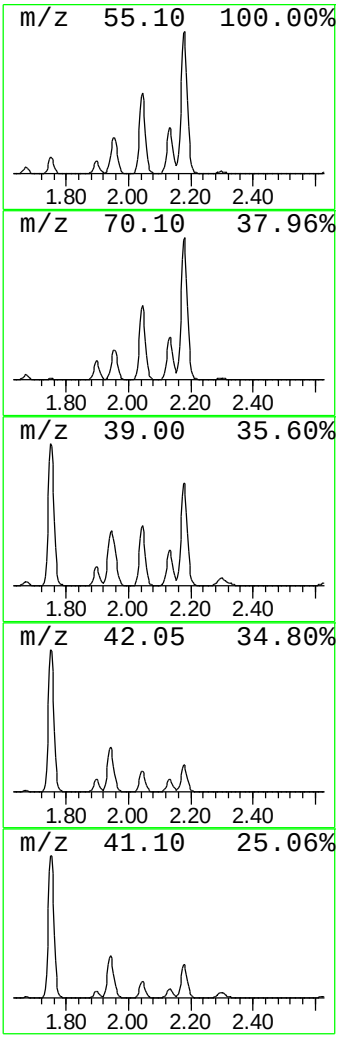
****

Peak Number 5 (DEL) Alkane: Cyclic2.13 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	9.41 ug/L	8796930	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-1-butene	70	C5H10	000563-46-2	90
2	Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	87
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
4	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	87
5	2-Methyl-1-butene	70	C5H10	000563-46-2	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

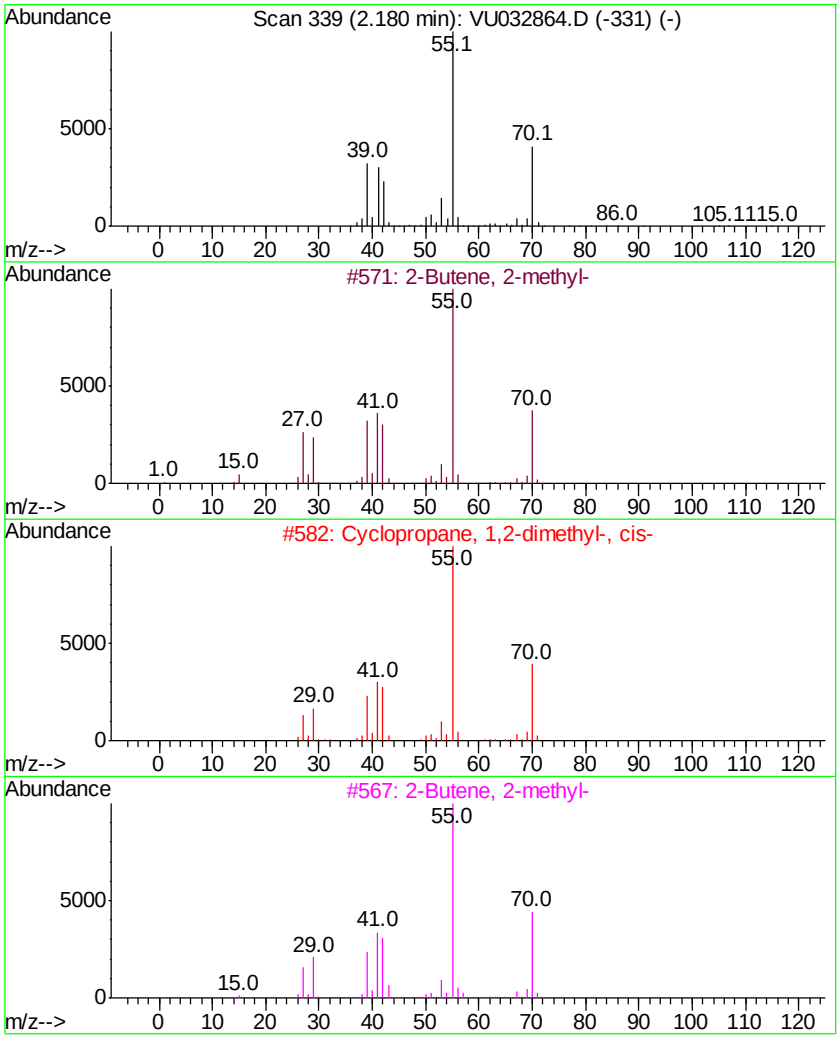
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

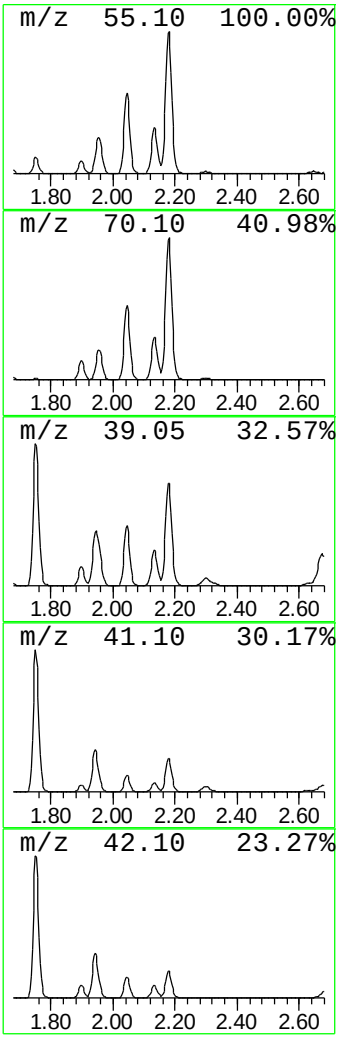
****

Peak Number 6 (DEL) Alkane: Cyclic2.18 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	29.42 ug/L	27490000	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
2	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
3	2-Butene, 2-methyl-	70	C5H10	000513-35-9	90
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	87
5	2-Pentene, (E)-	70	C5H10	000646-04-8	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
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Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

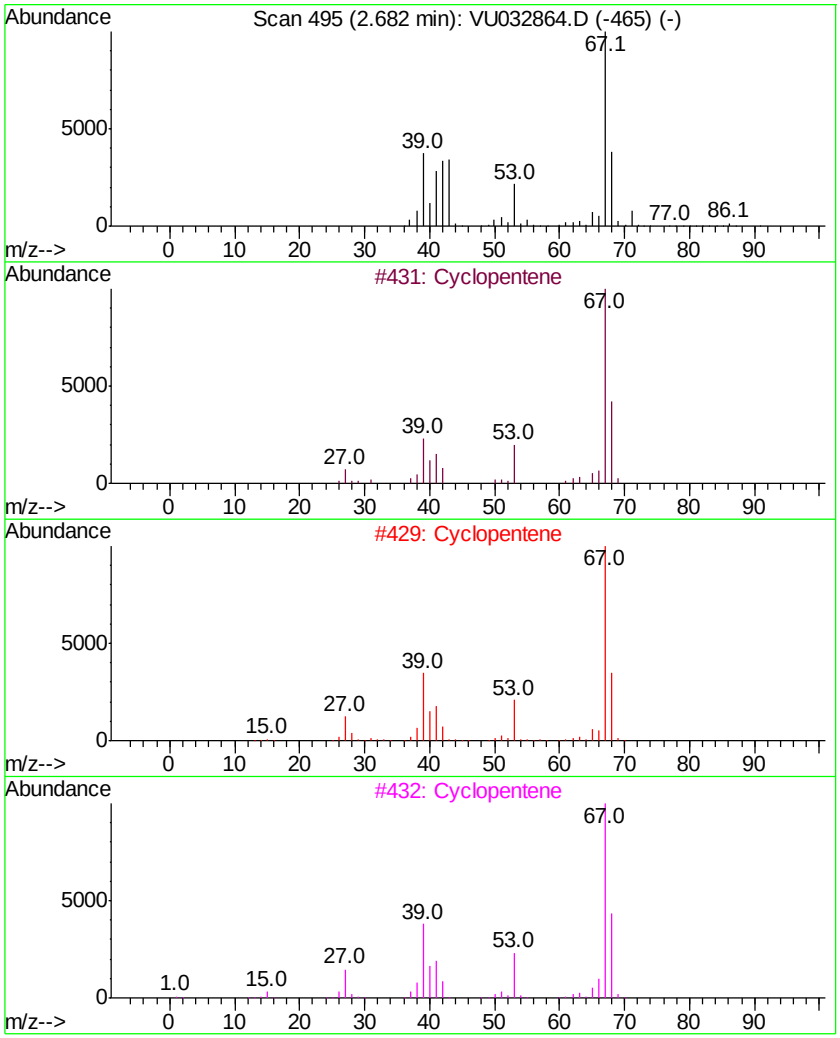
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

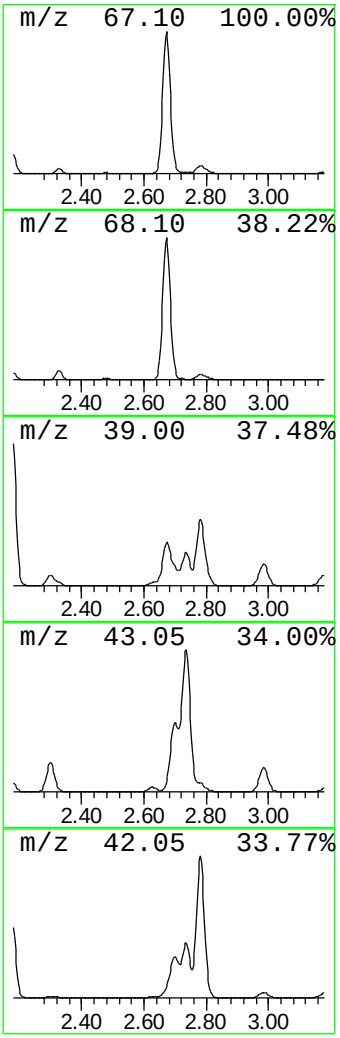
****

Peak Number 7 Cyclopentene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.68	18.21 ug/L	17019700	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	91
2	Cyclopentene	68	C5H8	000142-29-0	91
3	Cyclopentene	68	C5H8	000142-29-0	90
4	Cyclopentene	68	C5H8	000142-29-0	90
5	Bicyclo[2.1.0]pentane	68	C5H8	000185-94-4	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

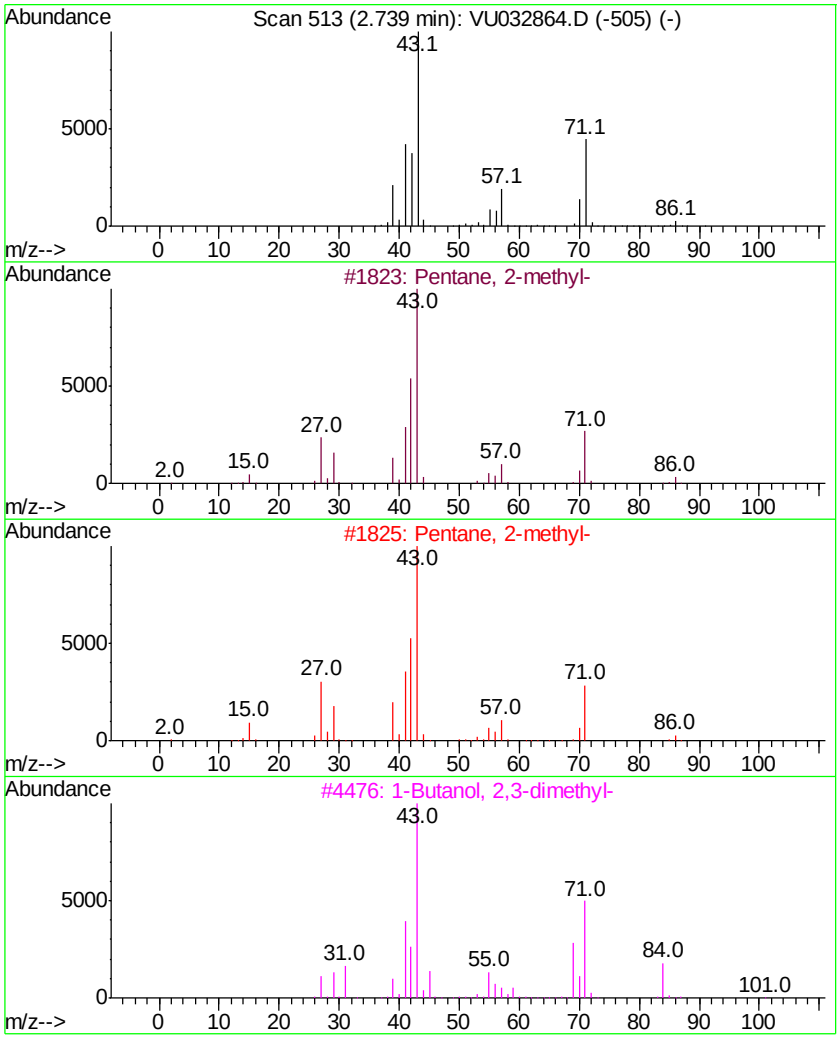
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

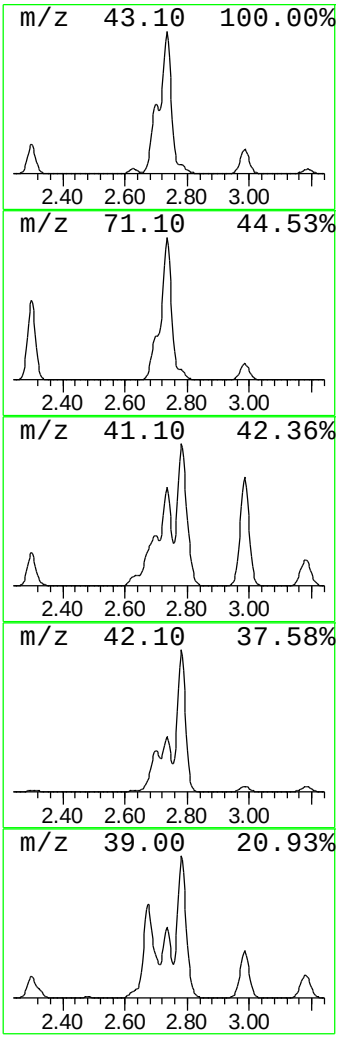
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.74	14.27 ug/L	13336500	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	64
2	Pentane, 2-methyl-	86	C6H14	000107-83-5	53
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	36
4	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	35
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	28





Library Search Compound Report

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Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

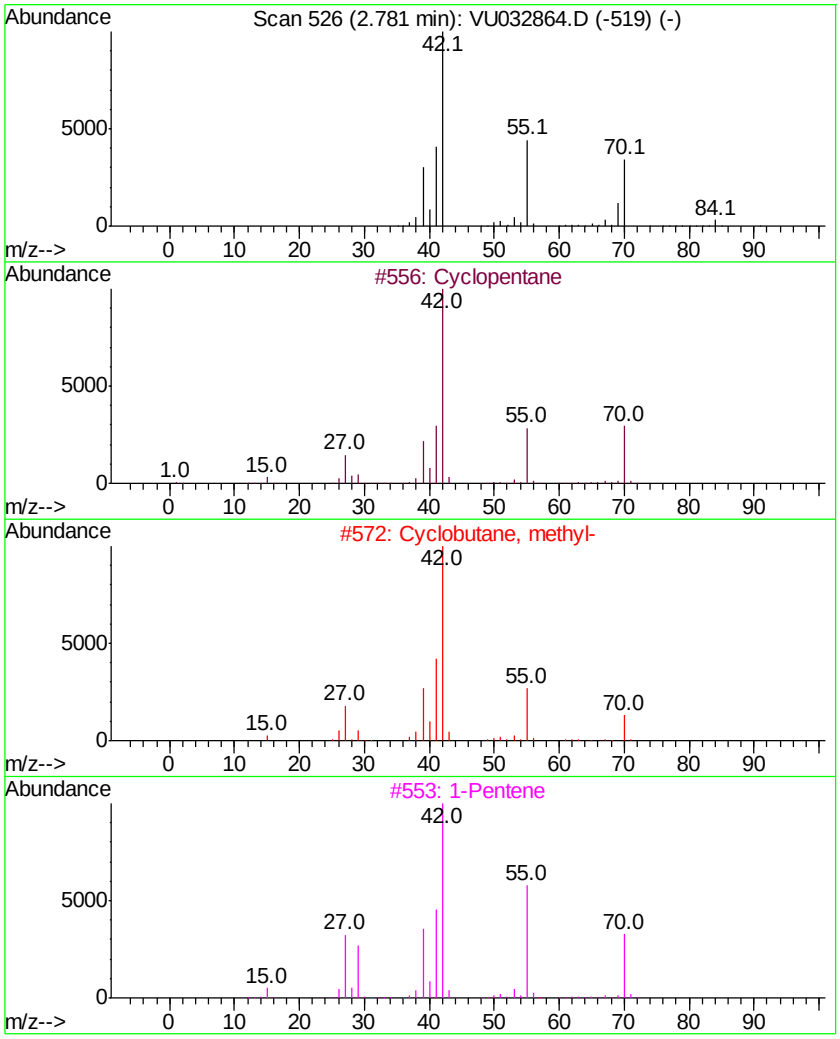
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

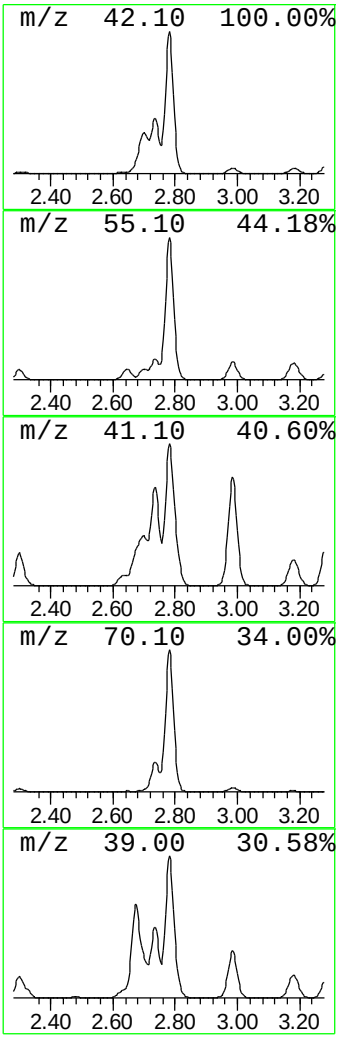
****

Peak Number 9 (DEL) Alkane: Cyclic2.78 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.78	20.73 ug/L	19366700	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	78
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	59
3	1-Pentene	70	C5H10	000109-67-1	50
4	2H-Tetrazole, 2,5-dimethyl-	98	C3H6N4	004135-93-7	39
5	Cyclopropane, ethyl-	70	C5H10	001191-96-4	38





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Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

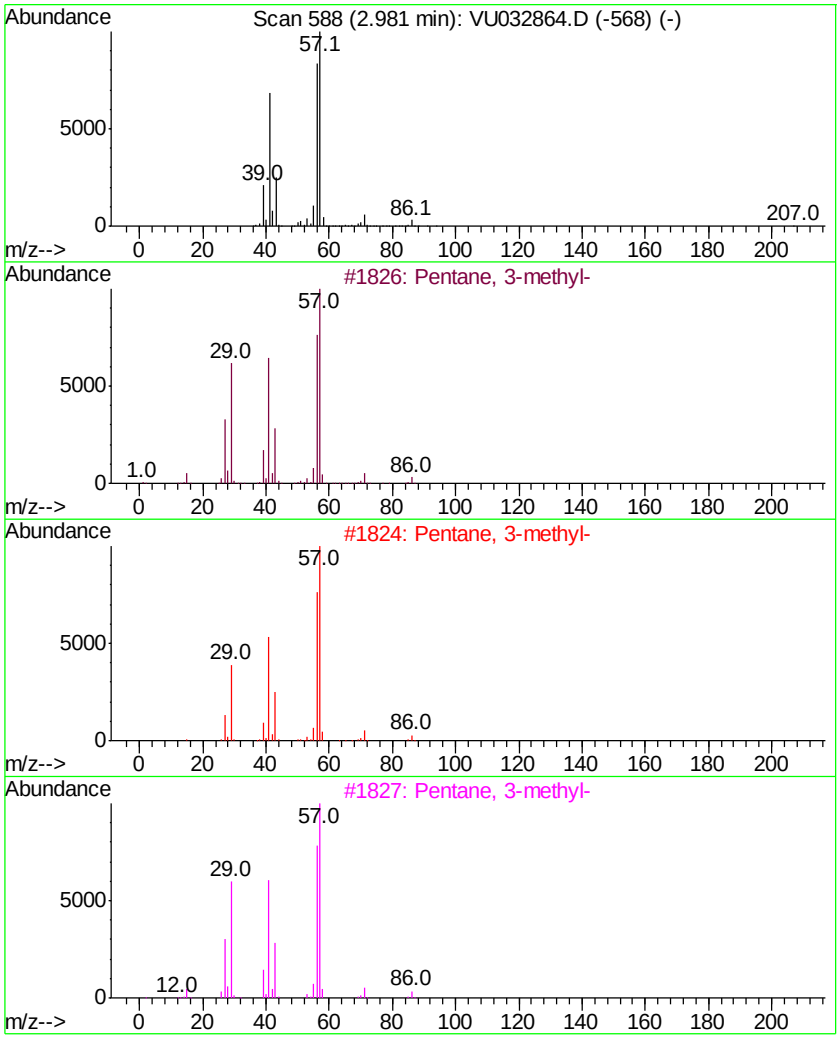
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

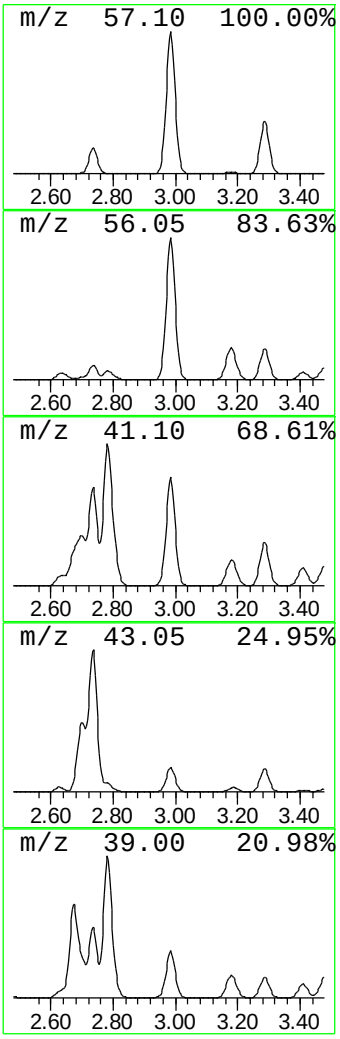
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.98	12.30 ug/L	11492600	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
3	Pentane, 3-methyl-	86	C6H14	000096-14-0	90
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43
5	1-Butanol, 2-methyl-	88	C5H12O	000137-32-6	43





Library Search Compound Report

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Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

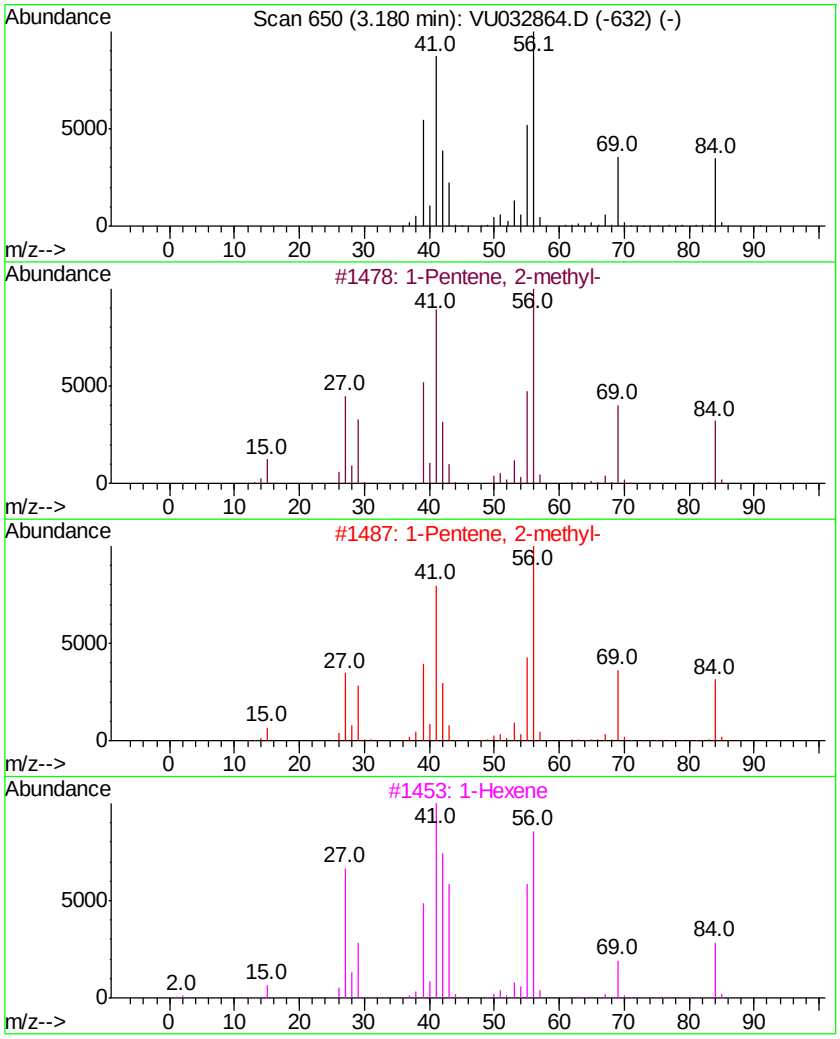
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

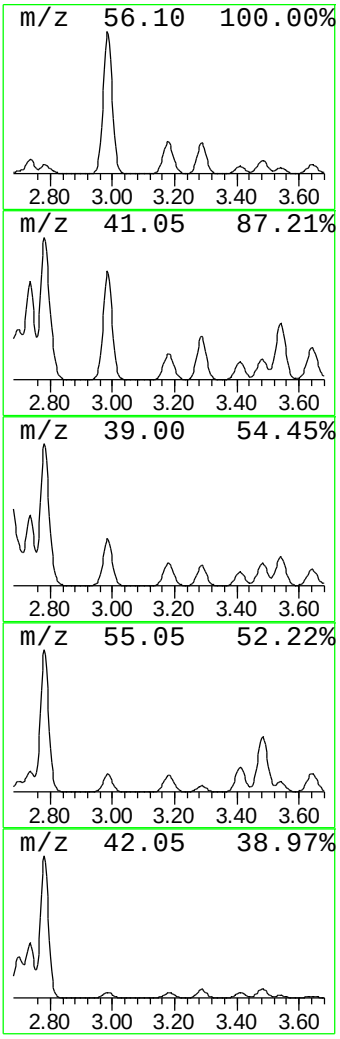
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Cyclic3.18 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.18	3.73 ug/L	3484410	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	95
2	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	94
3	1-Hexene	84	C6H12	000592-41-6	81
4	Cyclohexane	84	C6H12	000110-82-7	72
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	64





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Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

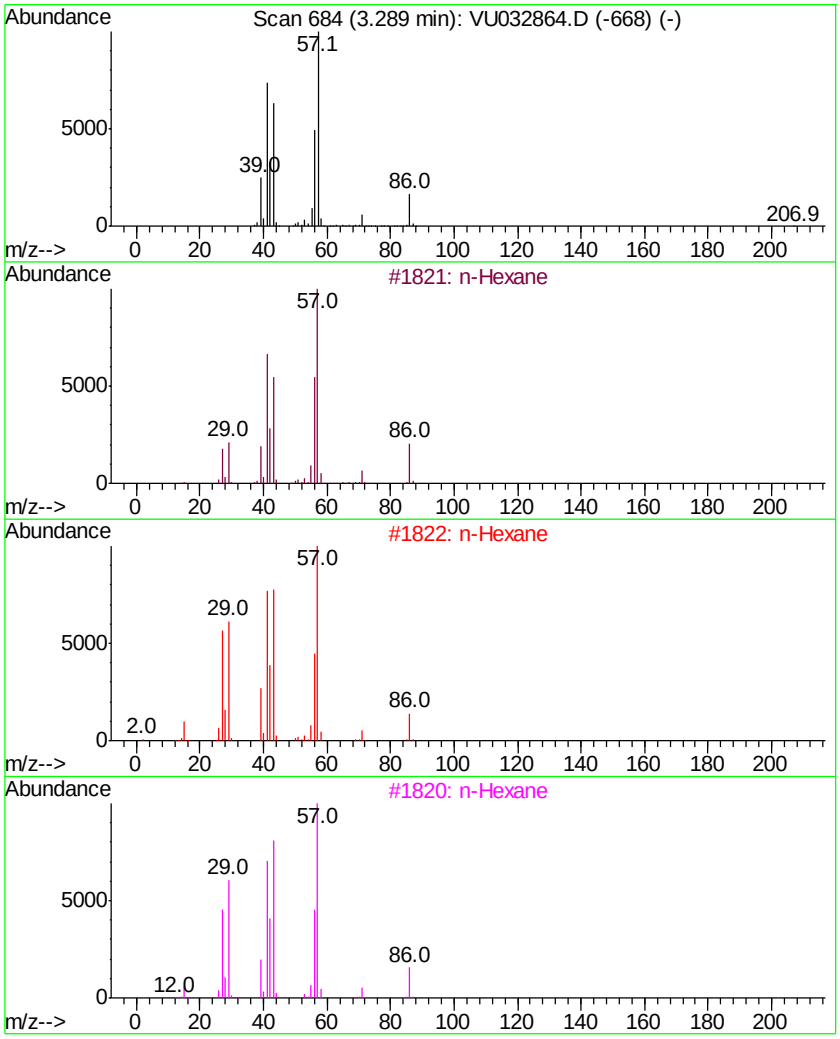
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

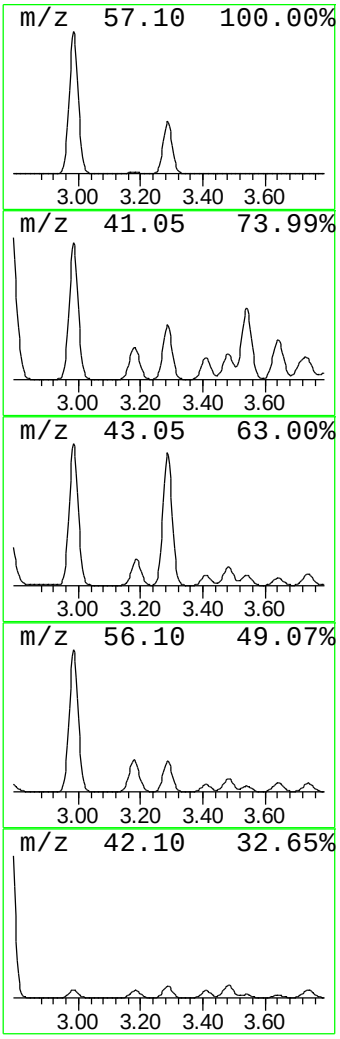
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.29	5.30 ug/L	4947850	1,4-Difluorobenzene	5.88

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	91
3	n-Hexane	86	C6H14	000110-54-3	91
4	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

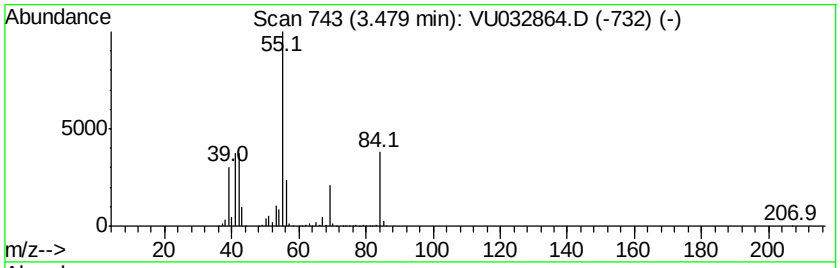
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

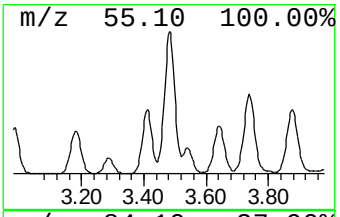
****

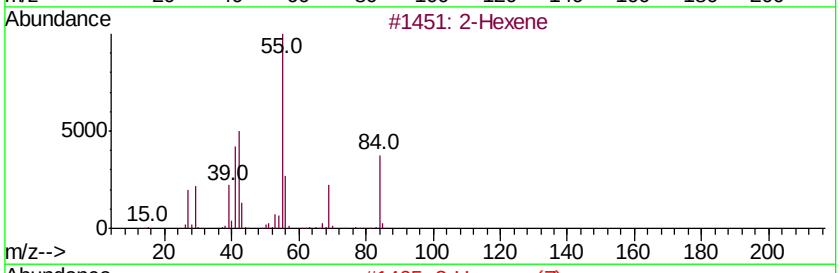
Peak Number 13 (DEL) Alkane: Cyclic3.48 Concentration Rank 24

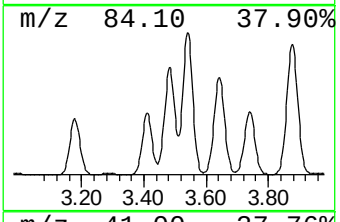
R.T.	EstConc	Area	Relative to ISTD	R.T.
3.48	4.68 ug/L	4371200	1,4-Difluorobenzene	5.88

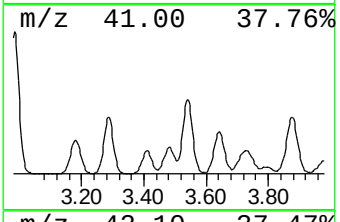
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene	84	C6H12	000592-43-8	91
2	2-Hexene, (Z)-	84	C6H12	007688-21-3	91
3	2-Hexene	84	C6H12	000592-43-8	91
4	2-Hexene, (E)-	84	C6H12	004050-45-7	91
5	3-Hexene, (Z)-	84	C6H12	007642-09-3	91

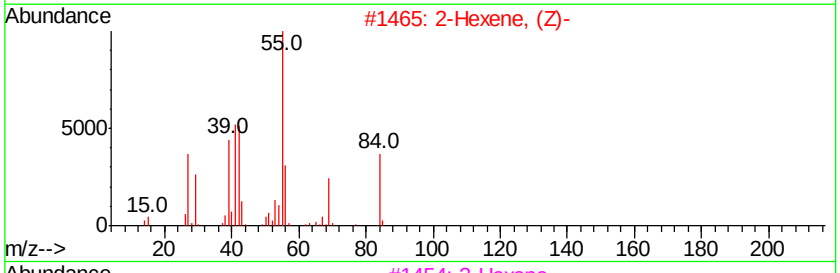


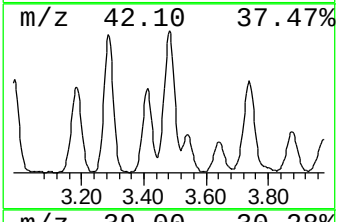


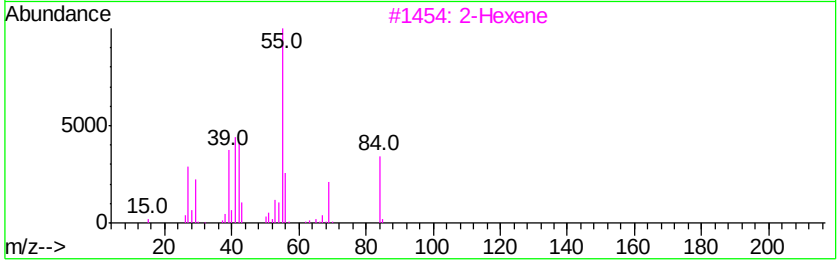


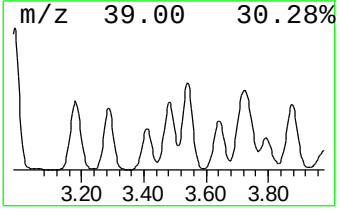












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

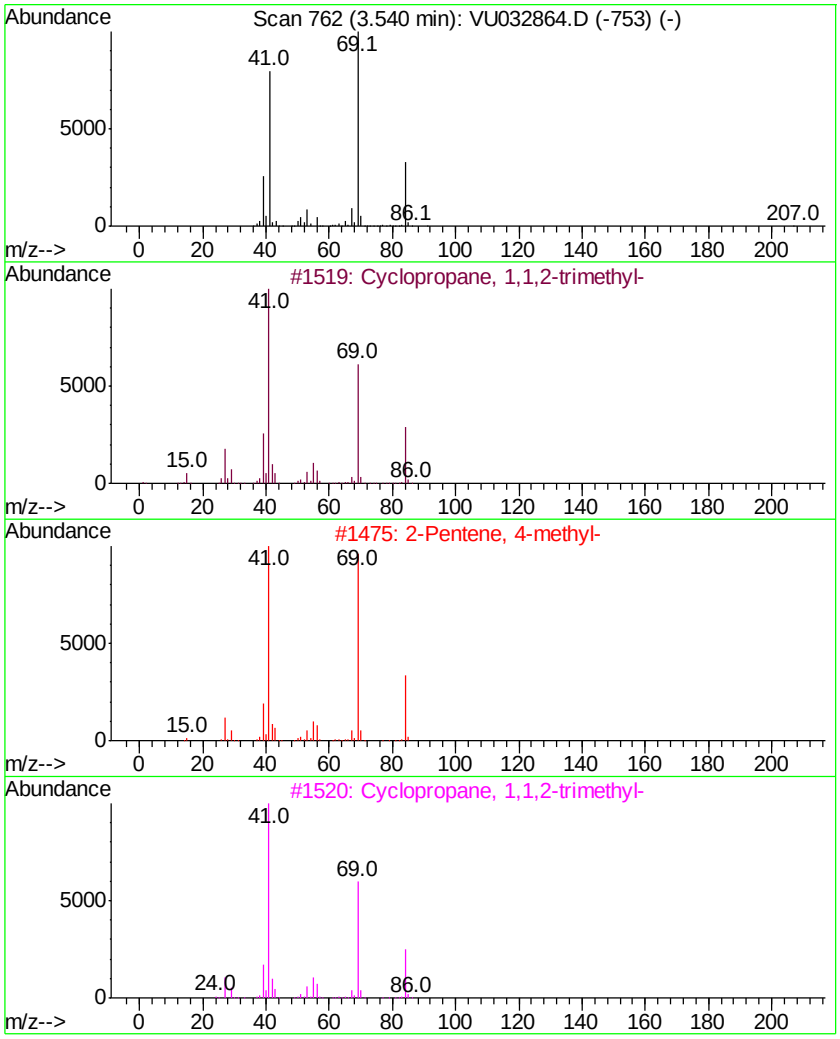
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

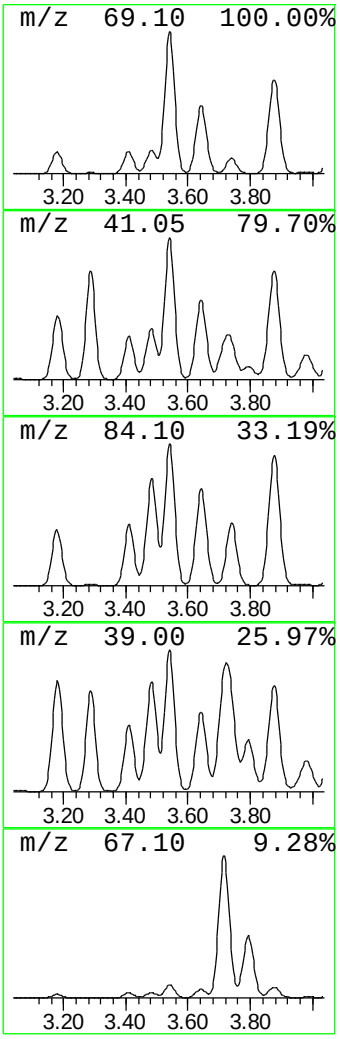
****

Peak Number 14 (DEL) Alkane: Cyclic3.54 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.54	5.66 ug/L	5285590	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	86
2	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	86
3	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	86
4	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	86
5	2-Pentene, 4-methyl-, (Z)-	84	C6H12	000691-38-3	83





Library Search Compound Report

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Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

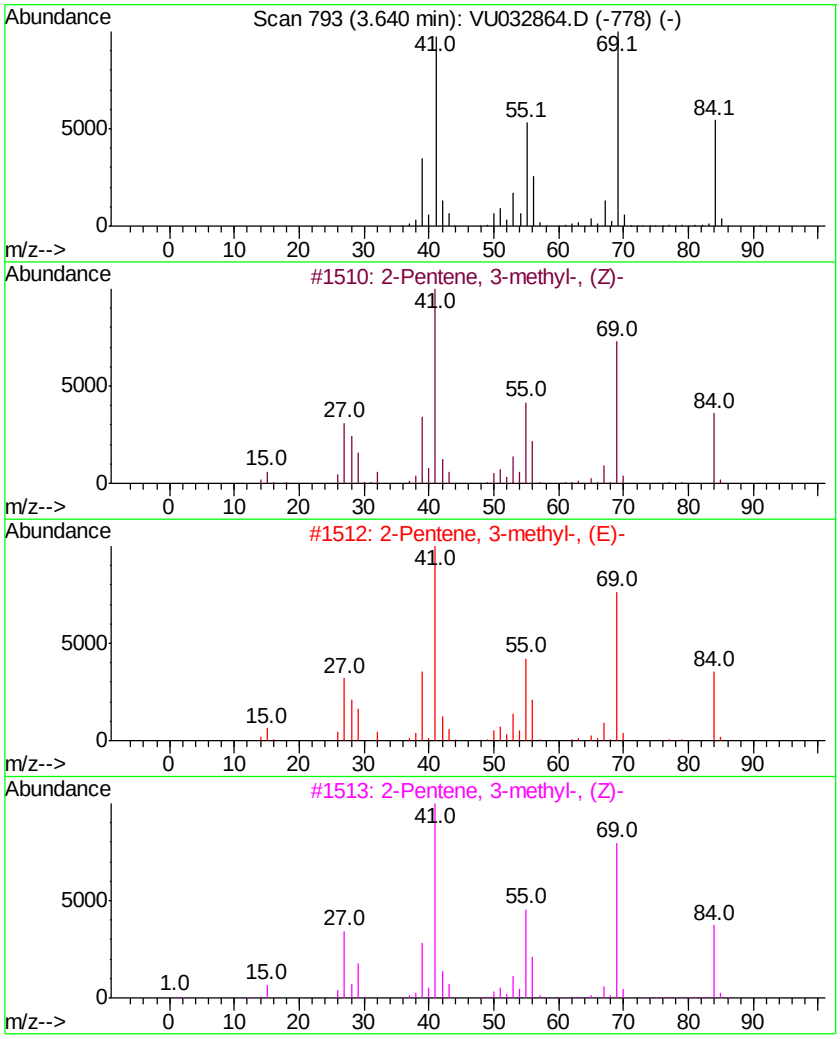
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

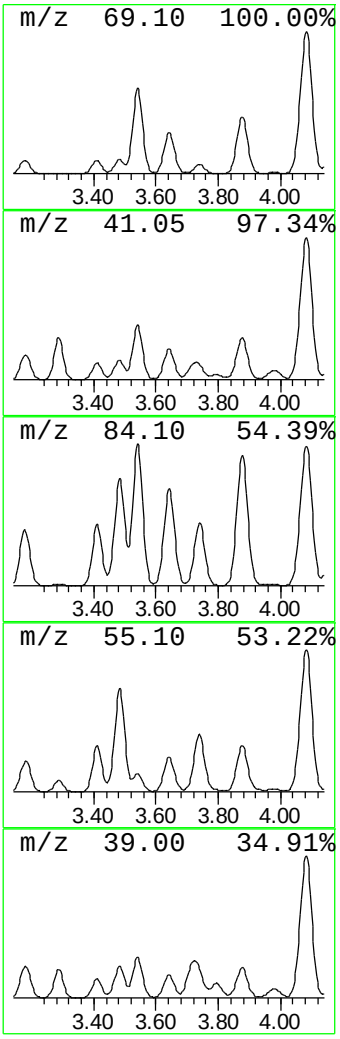
****

Peak Number 15 (DEL) Alkane: Cyclic3.64 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.64	4.04 ug/L	3775090	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	95
2	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	95
3	2-Pentene, 3-methyl-, (Z)-	84	C6H12	000922-62-3	94
4	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91





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Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

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

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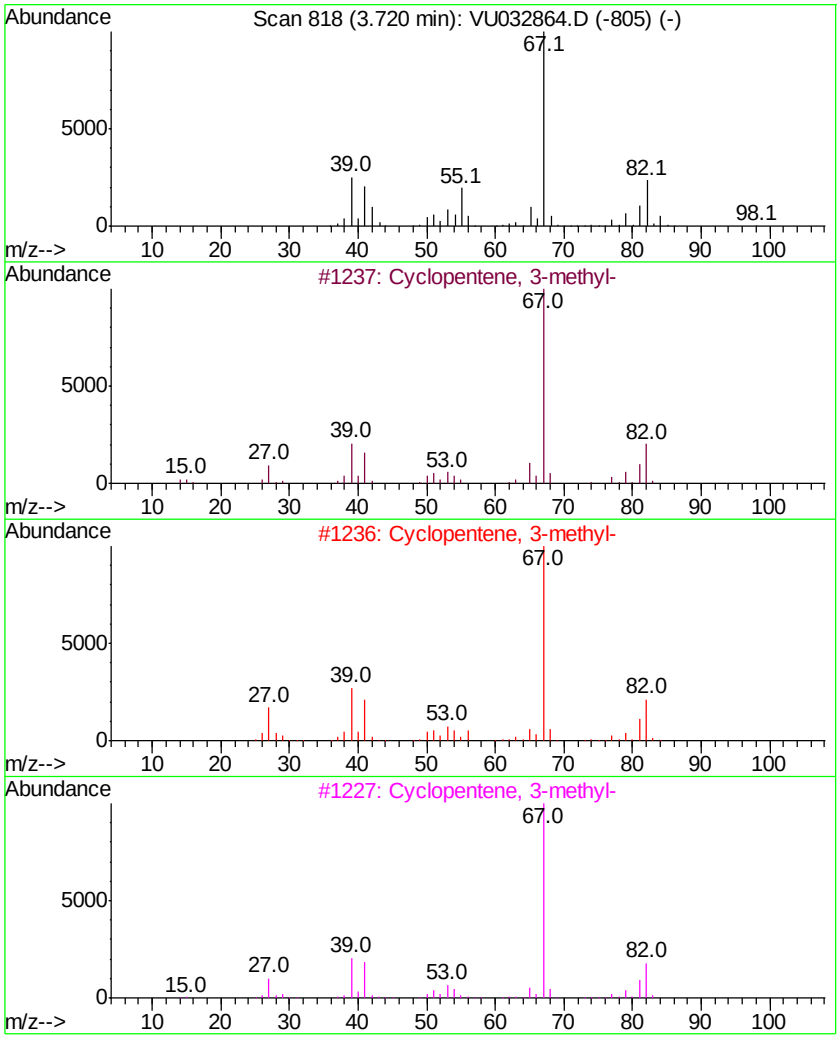
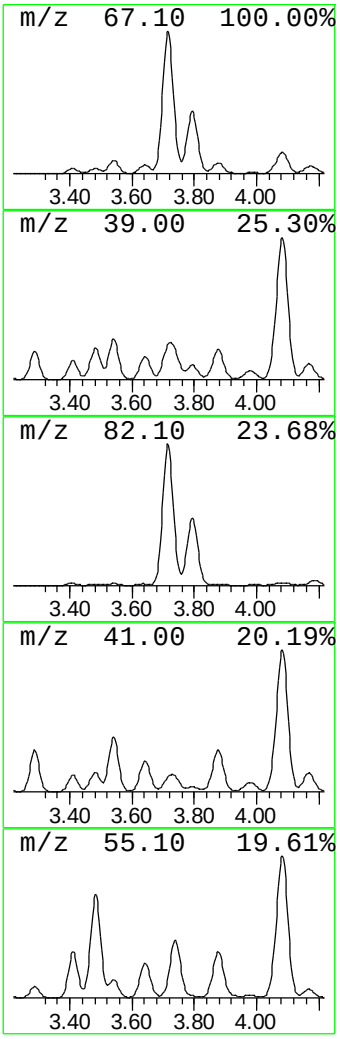
Peak Number 16 Cyclopentene, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.72	7.40 ug/L	6912580	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	93
2	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	90
3	Cyclopentene, 3-methyl-	82	C6H10	001120-62-3	90
4	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87
5	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

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

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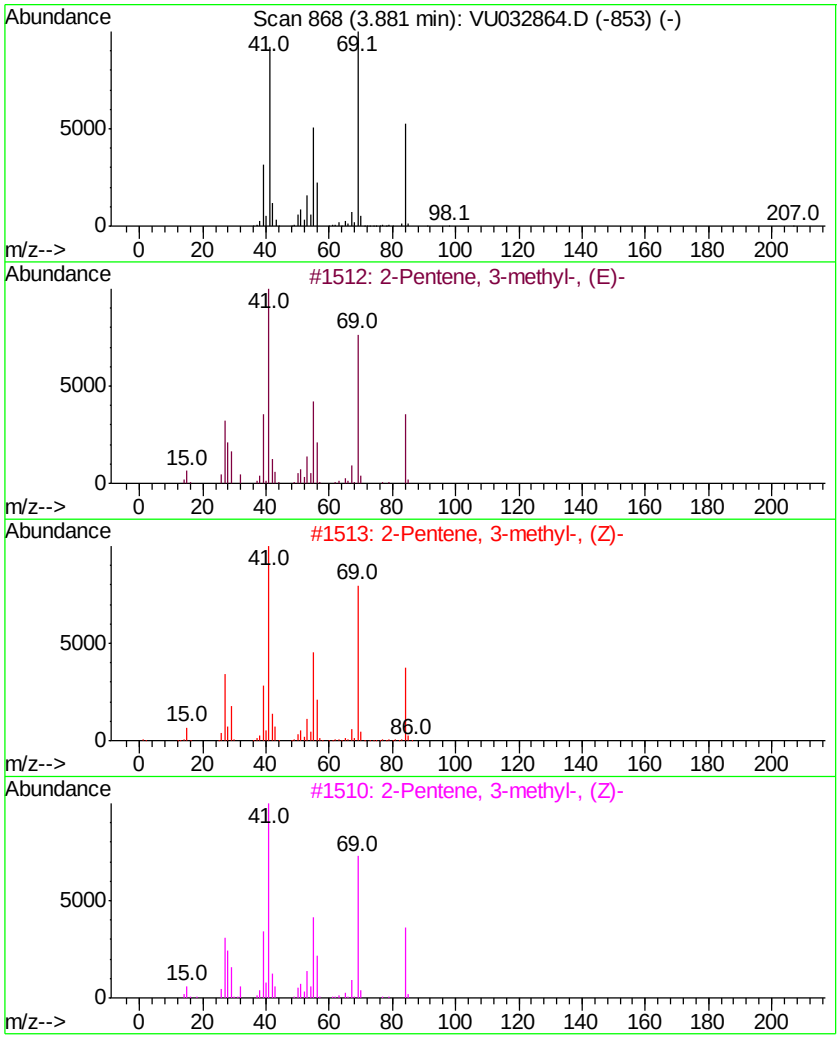
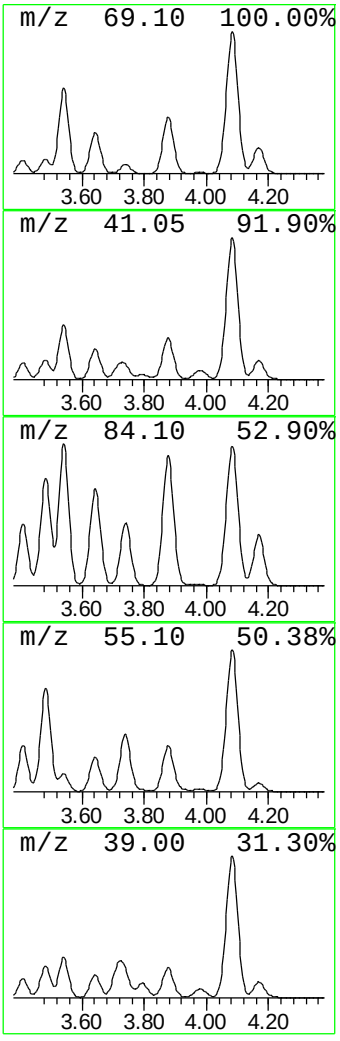
Peak Number 17 (DEL) Alkane: Cyclic3.88 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.88	5.74 ug/L	5360450	1,4-Difluorobenzene	5.88

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	91
4	2-Pentene, 3-methyl-	84	C6H12	000922-61-2	91
5	2-Pentene, 3-methyl-, (E)-	84	C6H12	000616-12-6	91





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Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

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

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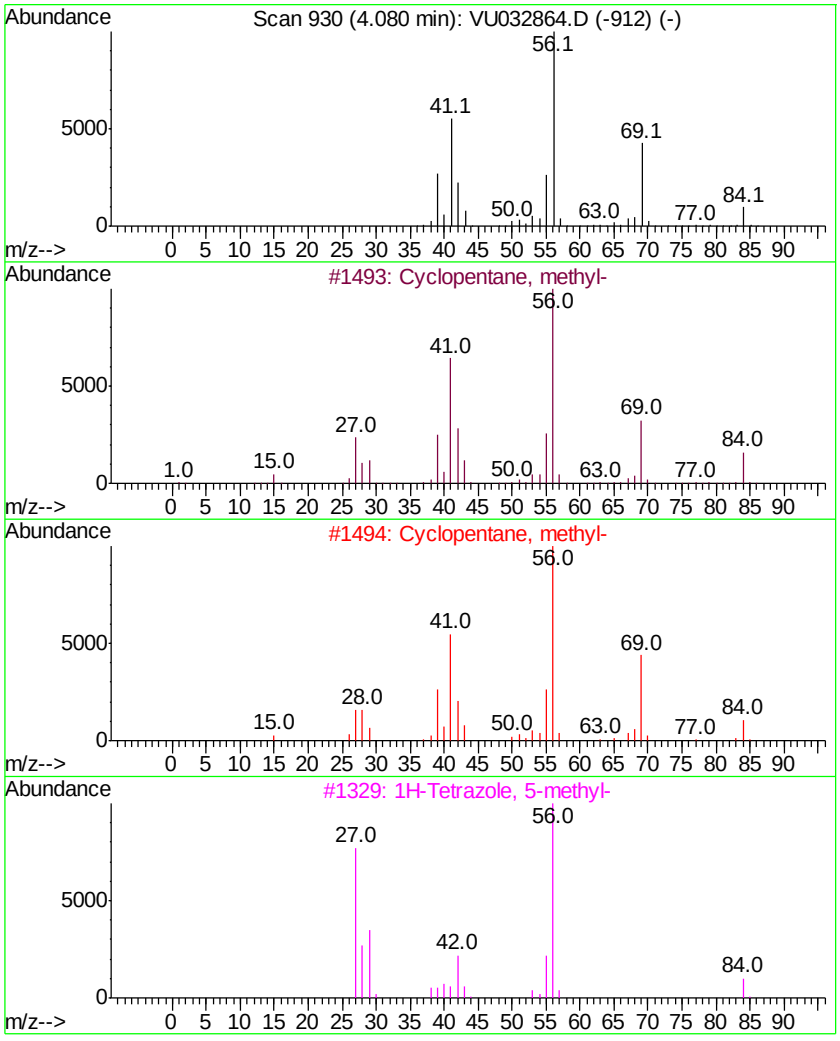
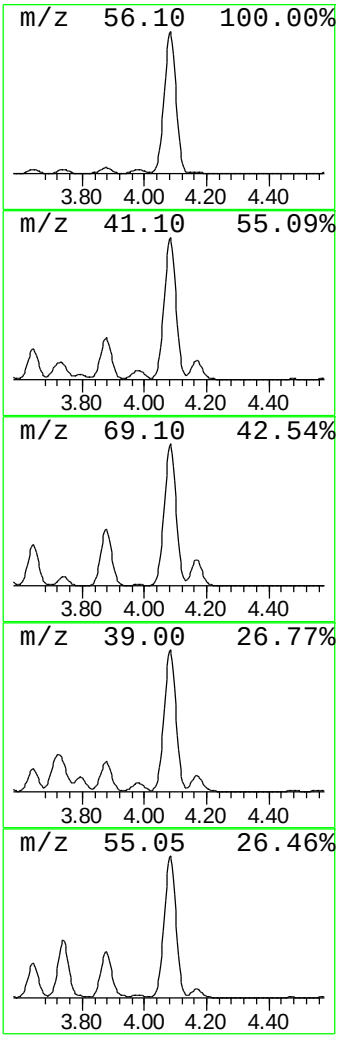
Peak Number 18 (DEL) Alkane: Cyclic4.08 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.08	25.89 ug/L	24192400	1,4-Difluorobenzene	5.88

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	90
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclohexane	84	C6H12	000110-82-7	56





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Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

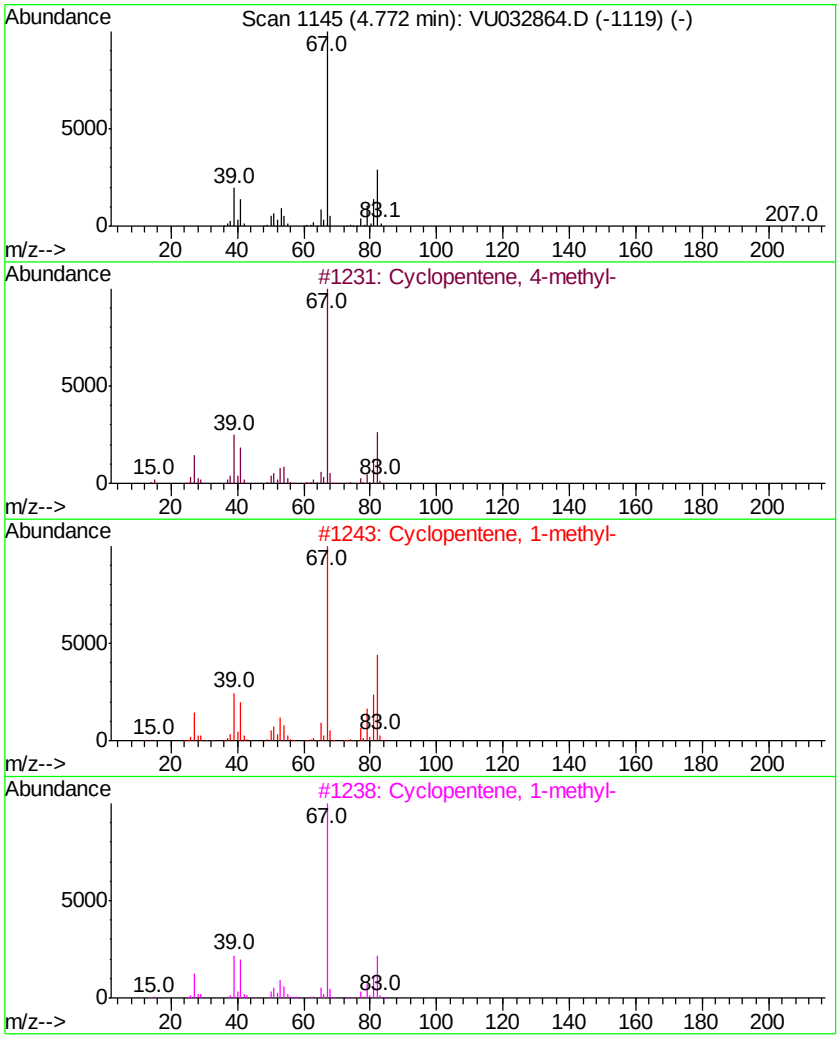
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

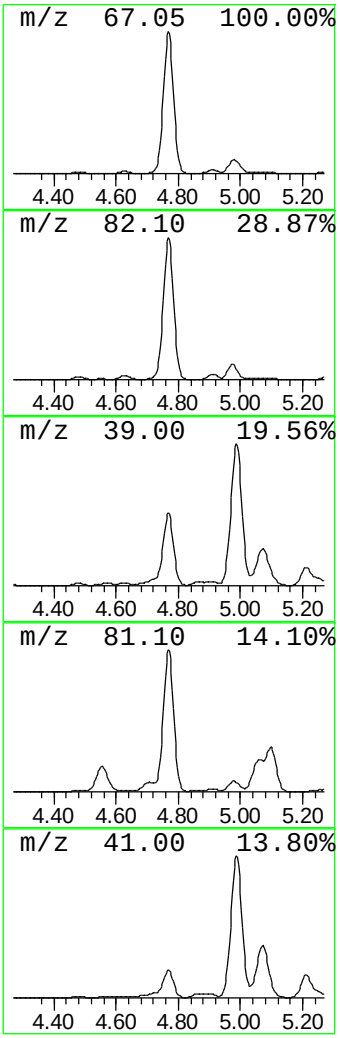
****

Peak Number 19 Cyclopentene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.77	8.72 ug/L	8148680	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 4-methyl-	82	C6H10	001759-81-5	91
2	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
3	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	90
4	Cyclopentane, methylene-	82	C6H10	001528-30-9	87
5	Cyclopentene, 1-methyl-	82	C6H10	000693-89-0	87





Library Search Compound Report

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Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

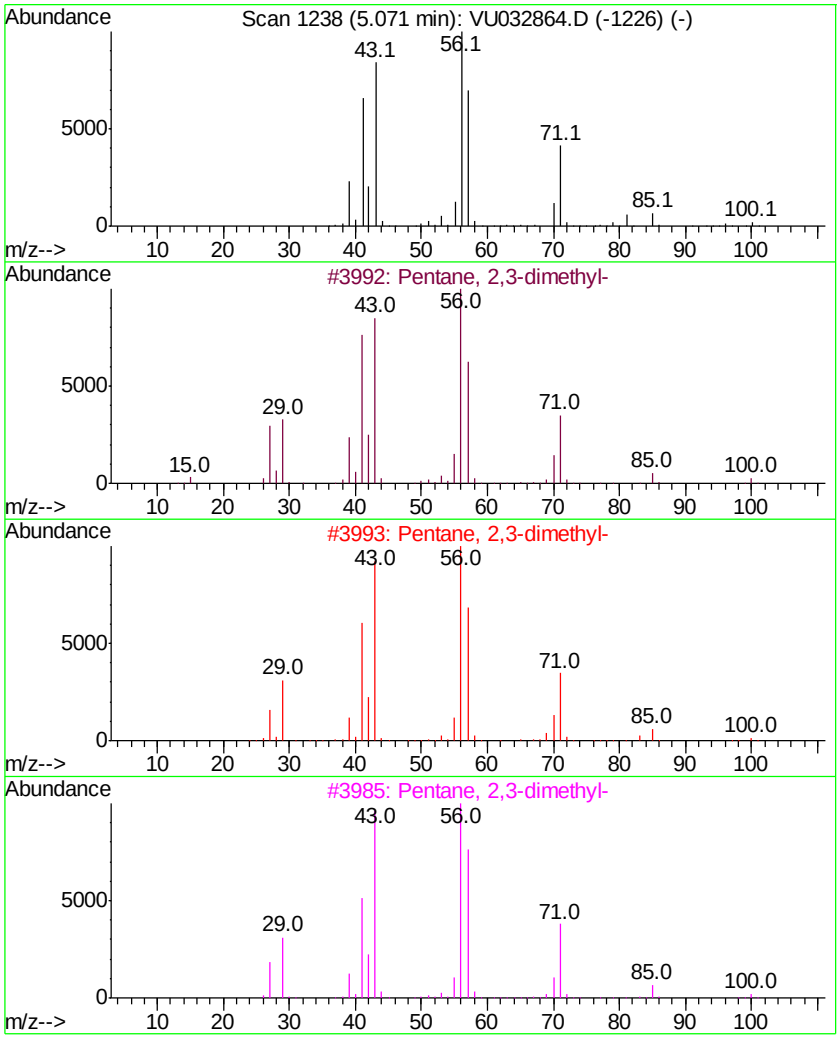
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

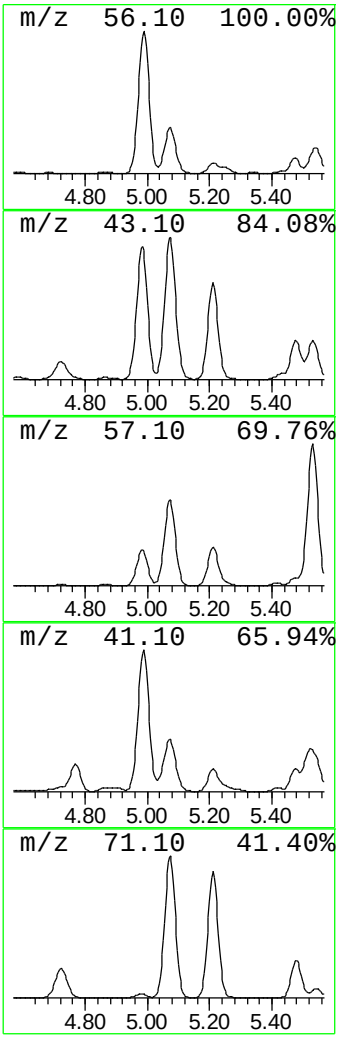
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	7.02 ug/L	6561630	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	83
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	38





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Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

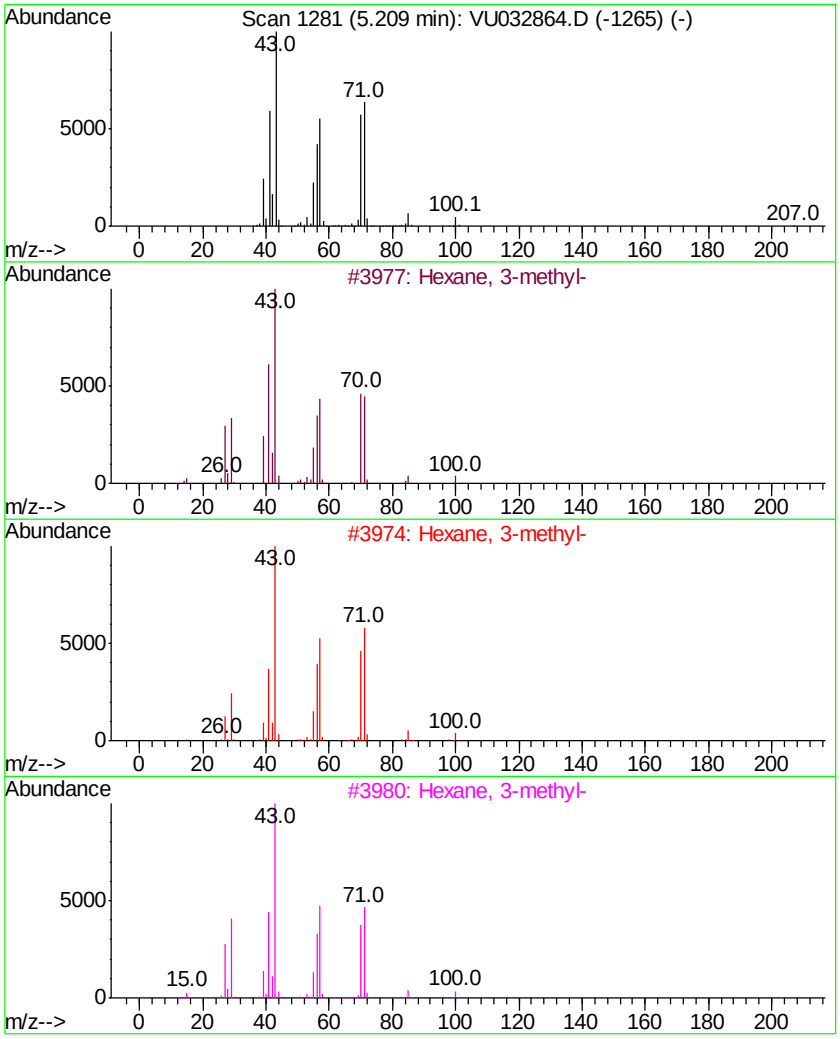
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

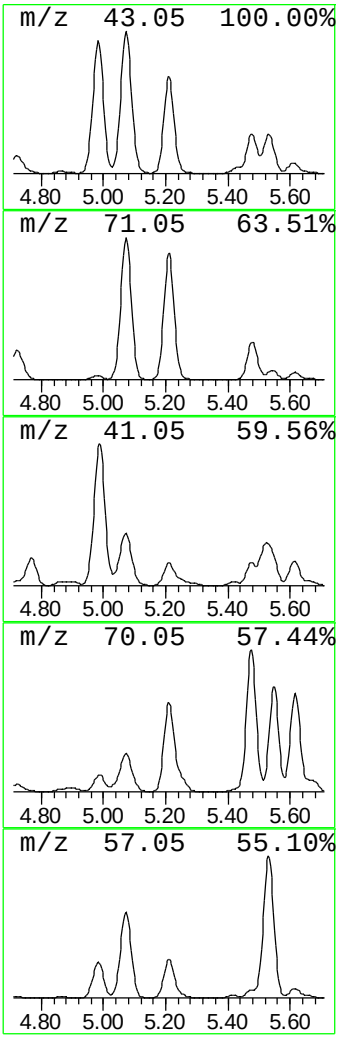
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	3.87 ug/L	3620770	1,4-Difluorobenzene	5.88

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	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	87
4	Heptane	100	C7H16	000142-82-5	72
5	Heptane, 3,4-dimethyl-	128	C9H20	000922-28-1	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

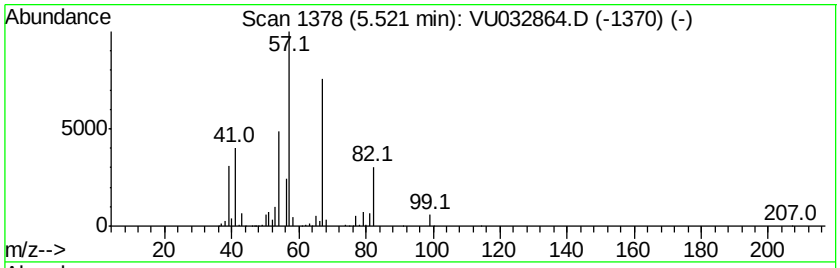
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

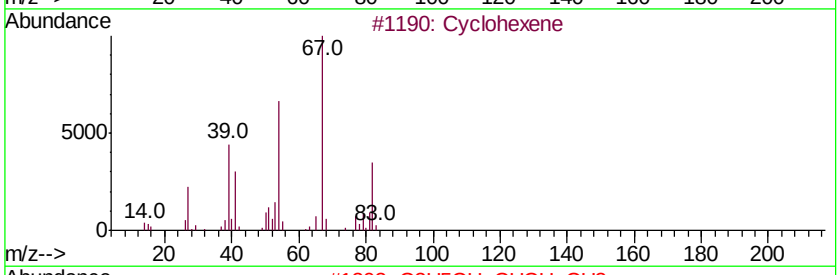
****

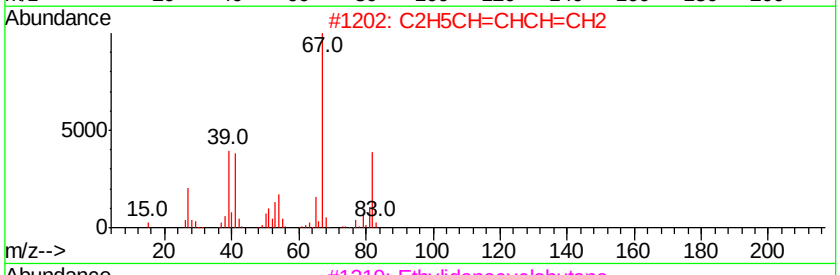
Peak Number 22 Cyclohexene Concentration Rank 13

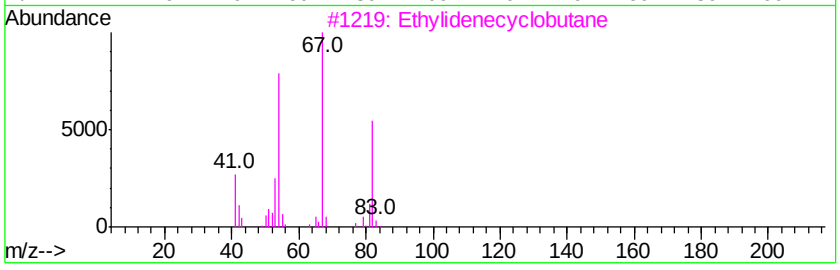
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	8.85 ug/L	8271400	1,4-Difluorobenzene	5.88

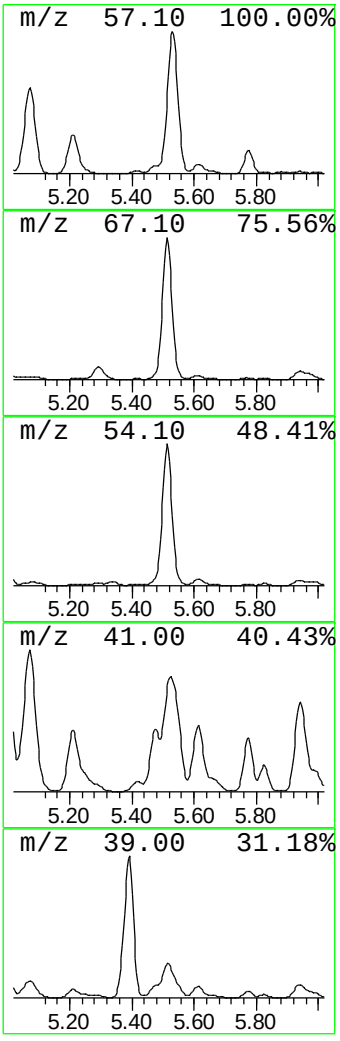
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene	82	C6H10	000110-83-8	74
2	C2H5CH=CHCH=CH2	82	C6H10	000592-48-3	70
3	Ethylidenecyclobutane	82	C6H10	001528-21-8	68
4	Cyclohexene	82	C6H10	000110-83-8	64
5	Cyclobutane, ethenyl-	82	C6H10	002597-49-1	64











Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

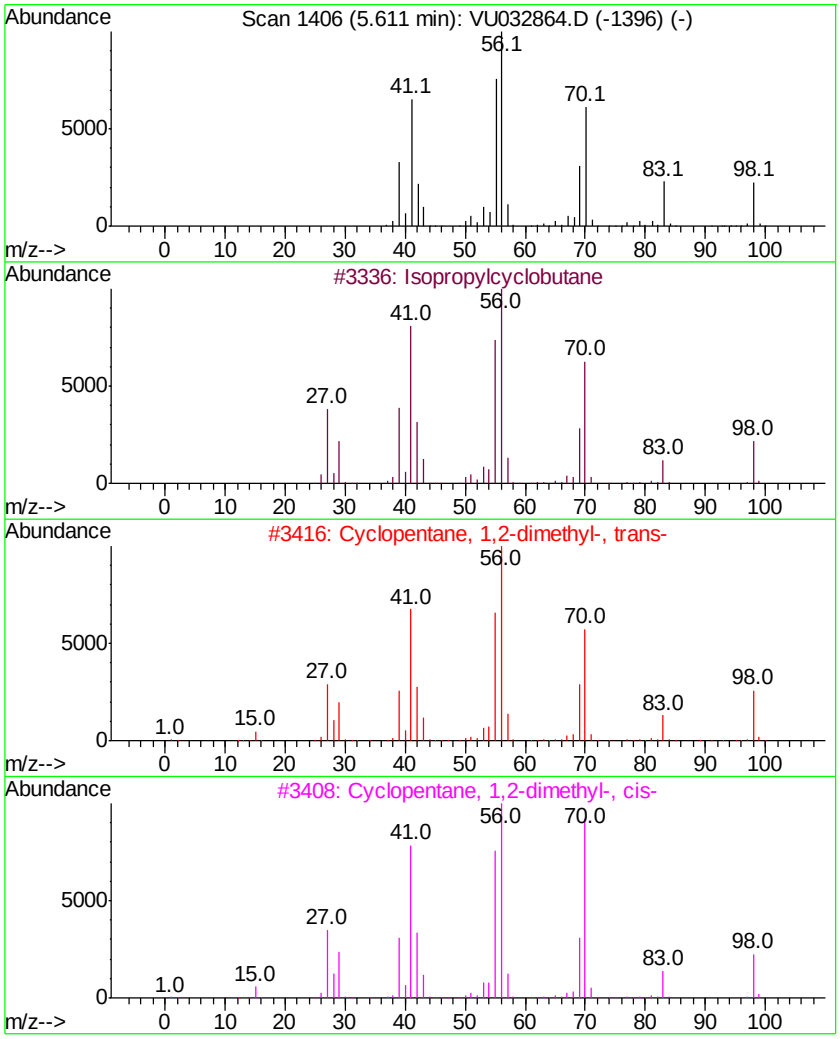
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

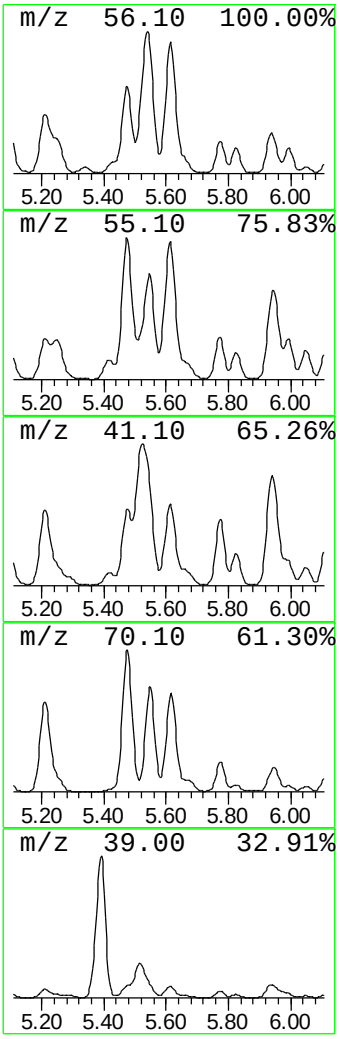
****

Peak Number 23 (DEL) Alkane: Cyclic5.61 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.61	3.80 ug/L	3554180	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	94
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	83





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Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

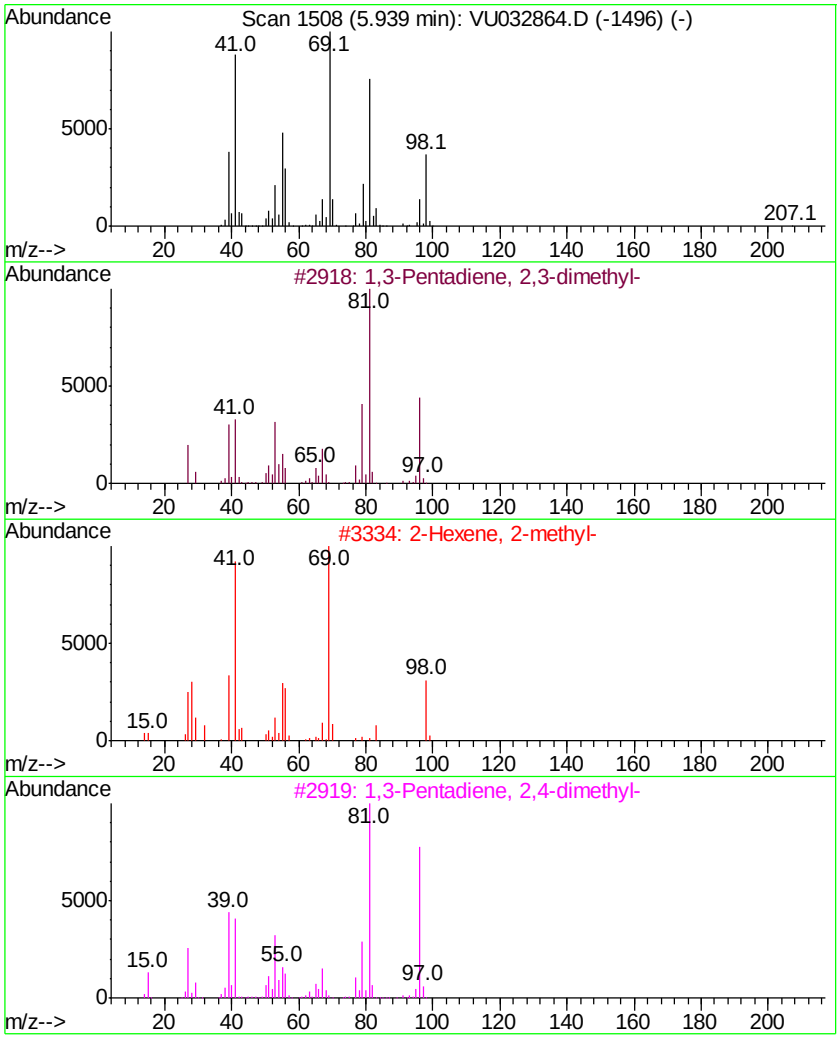
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

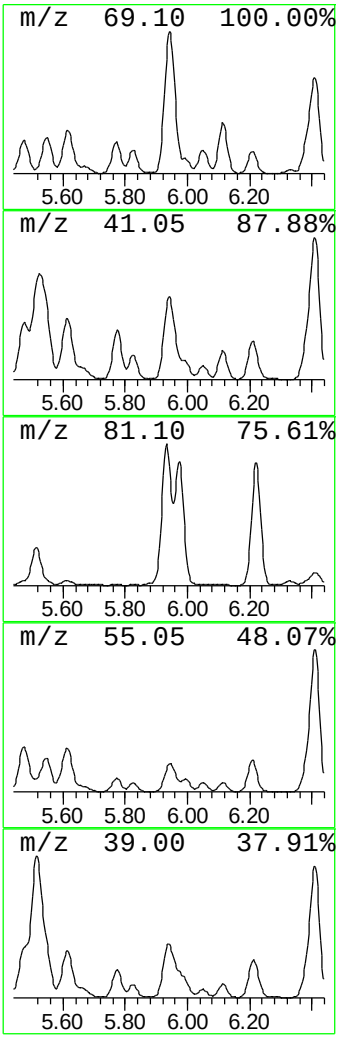
****

Peak Number 24 1,3-Pentadiene, 2,3-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	5.00 ug/L	4672030	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Pentadiene, 2,3-dimethyl-	96	C7H12	001113-56-0	89
2	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	55
3	1,3-Pentadiene, 2,4-dimethyl-	96	C7H12	001000-86-8	50
4	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	50
5	2-Hexene, 2-methyl-	98	C7H14	002738-19-4	49





Library Search Compound Report

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Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

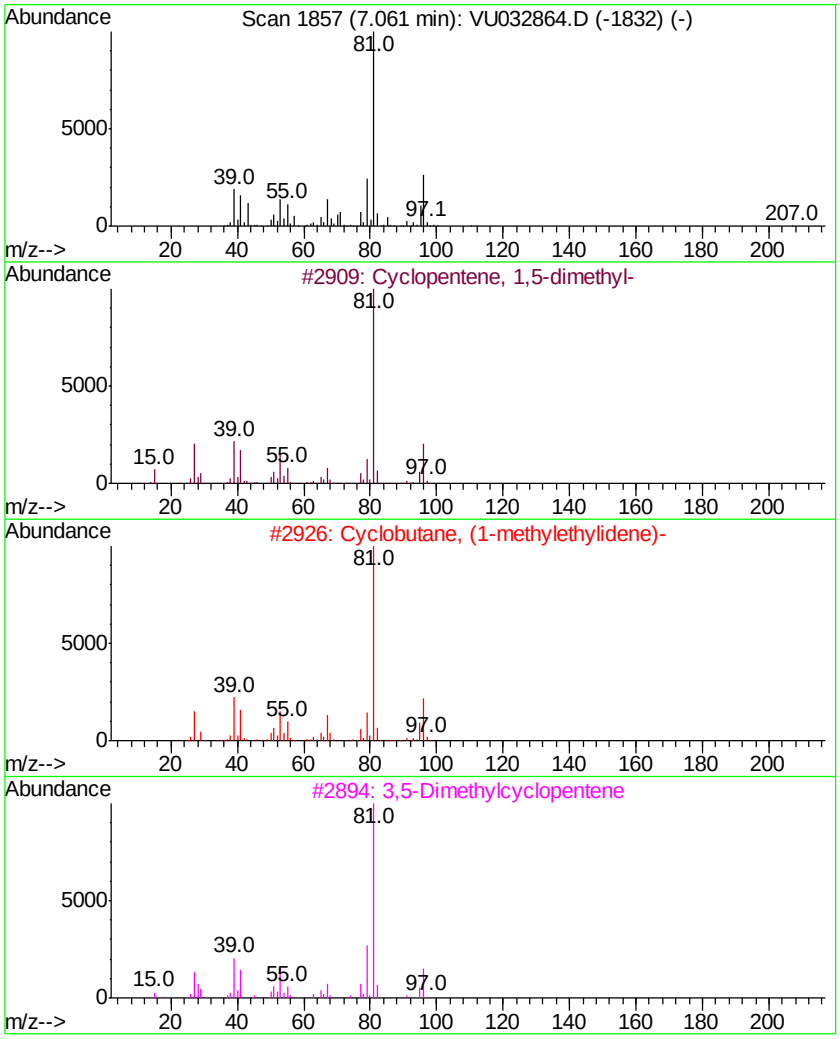
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

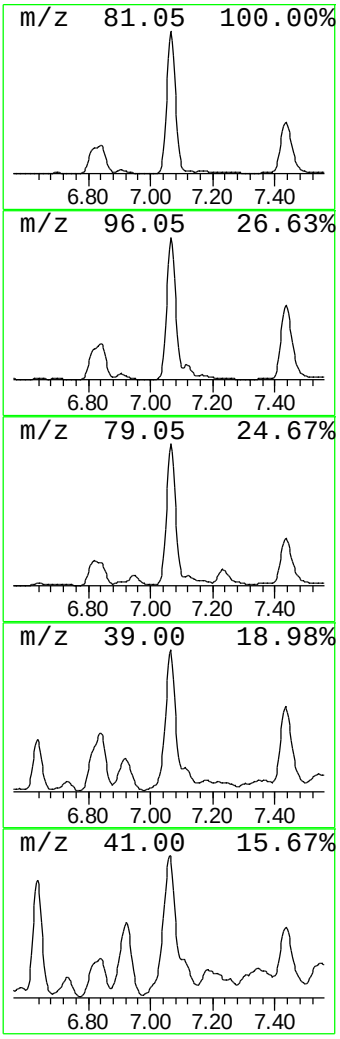
****

Peak Number 25 Cyclopentene, 1,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.06	5.43 ug/L	5069870	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	90
2	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
3	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	78
4	Cyclopentene, 4,4-dimethyl-	96	C7H12	019037-72-0	72
5	1,4-Pentadiene, 3,3-dimethyl-	96	C7H12	001112-35-2	72





Library Search Compound Report

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Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

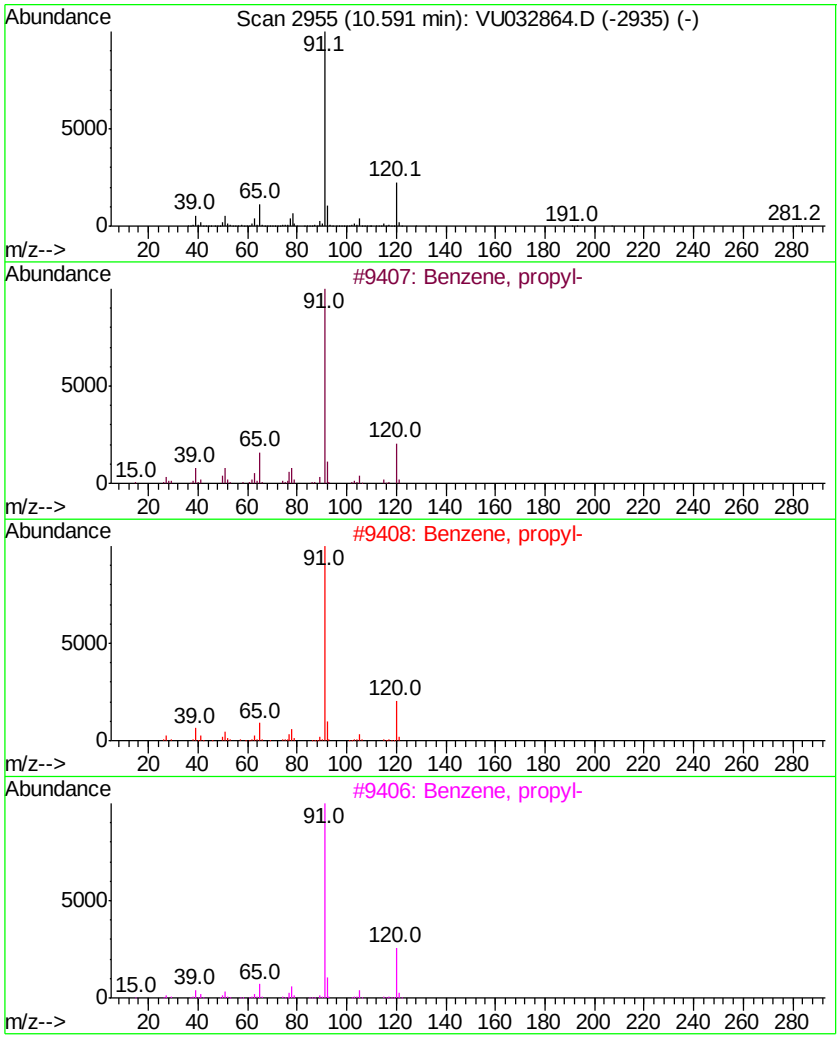
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

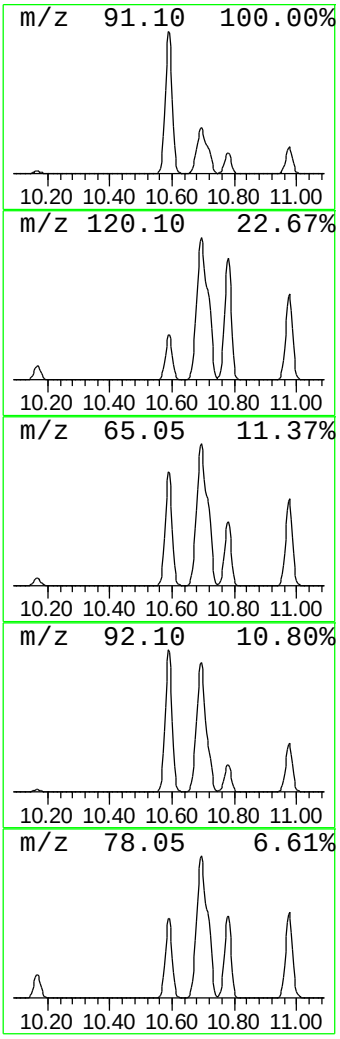
****

Peak Number 26 Benzene, propyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	2.56 ug/L	21646700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	91
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83
5	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

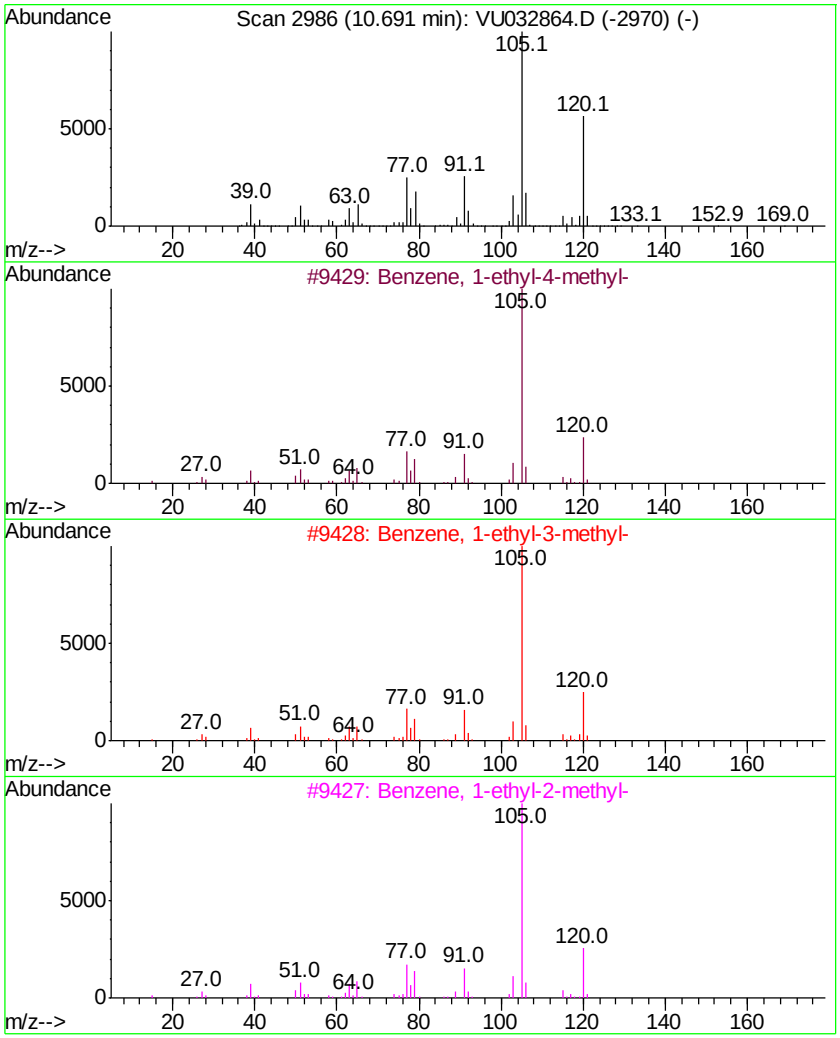
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

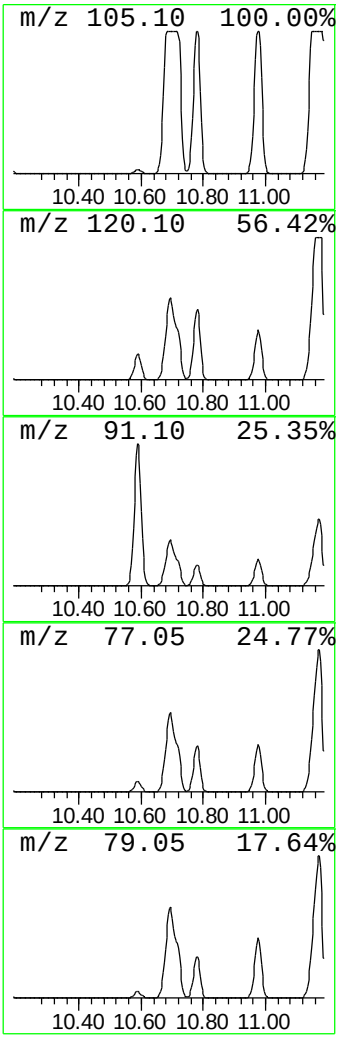
****

Peak Number 27 Benzene, 1-ethyl-4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	12.03 ug/L	101910000	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	87
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	86
5	Mesitylene	120	C9H12	000108-67-8	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

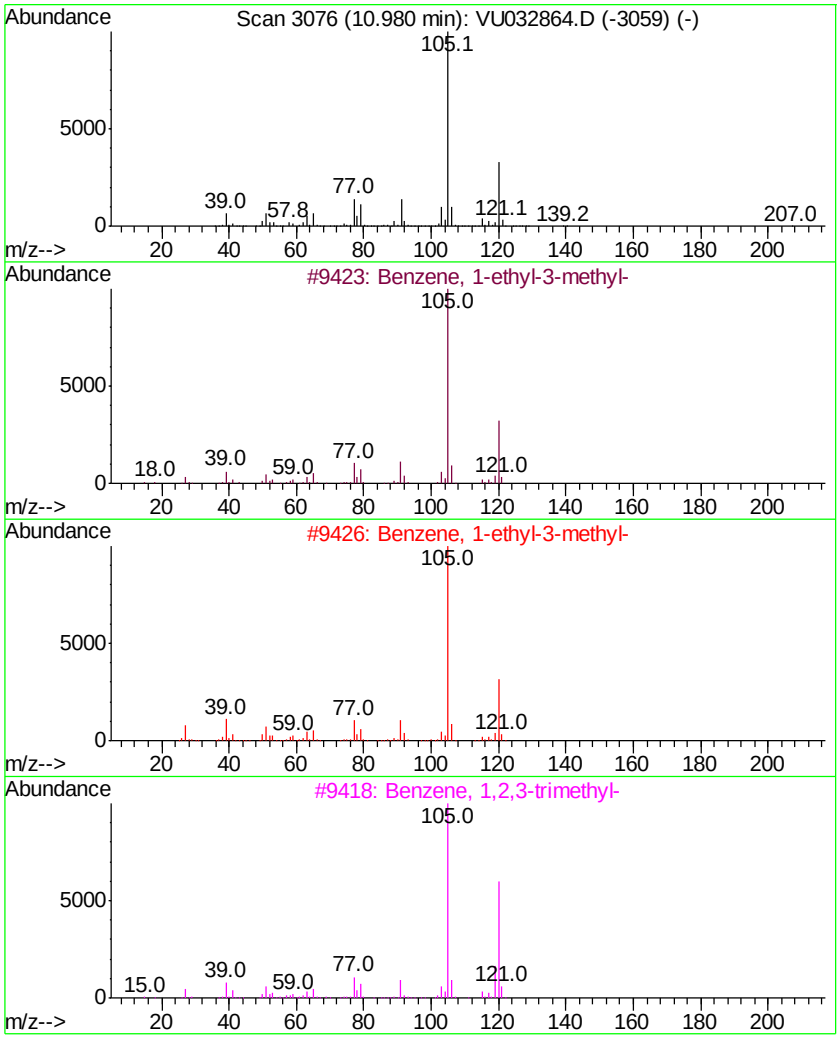
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

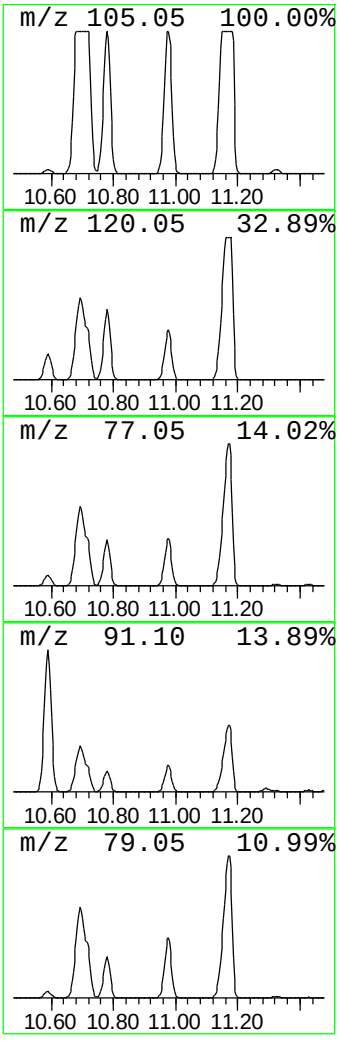
****

Peak Number 29 Benzene, 1-ethyl-3-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	4.63 ug/L	39179200	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

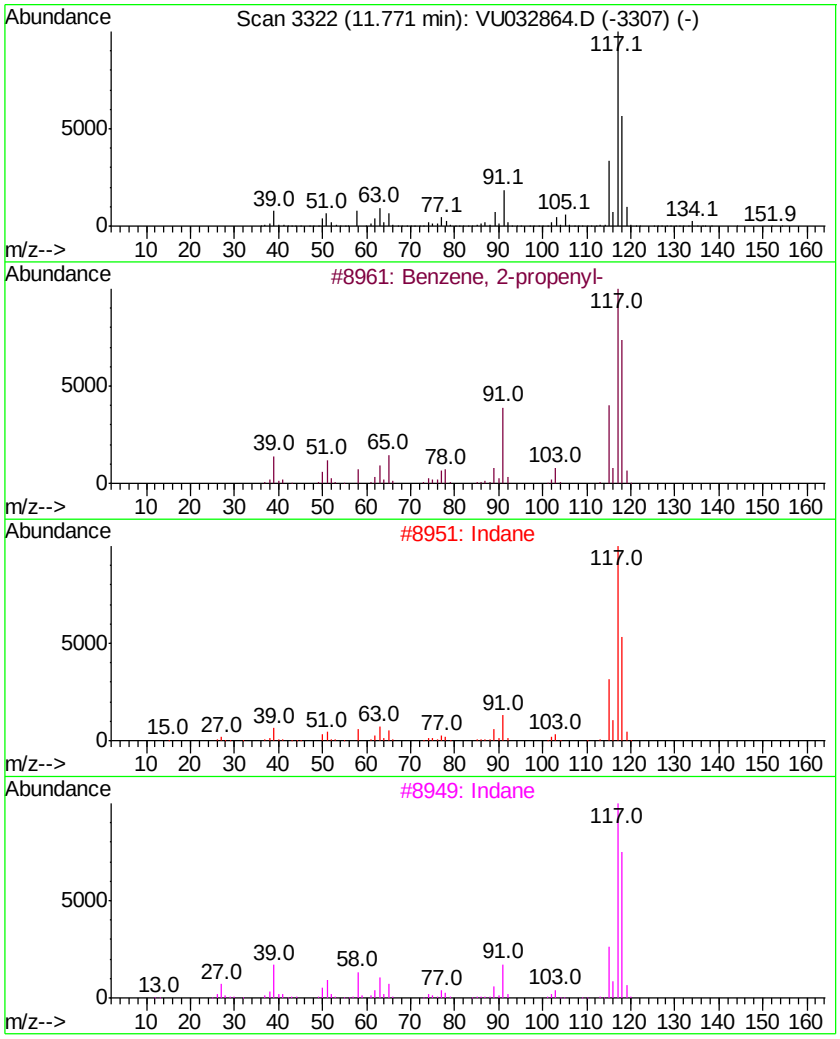
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

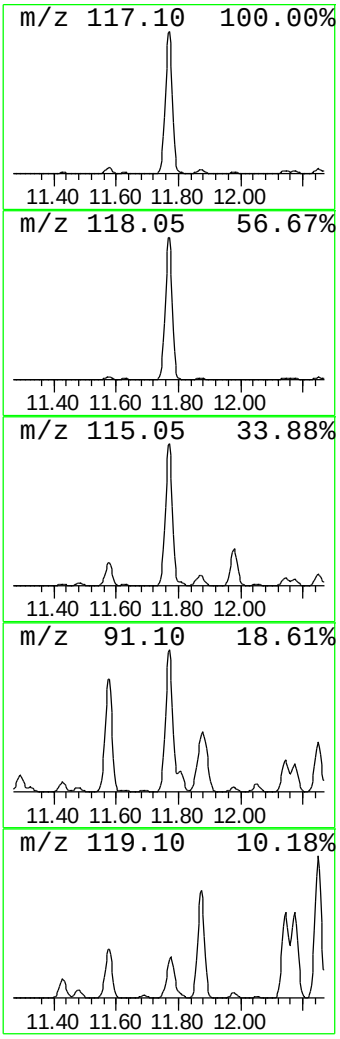
****

Peak Number 32 Benzene, 2-propenyl- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	4.68 ug/L	39645700	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87
2	Indane	118	C9H10	000496-11-7	87
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	81
5	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

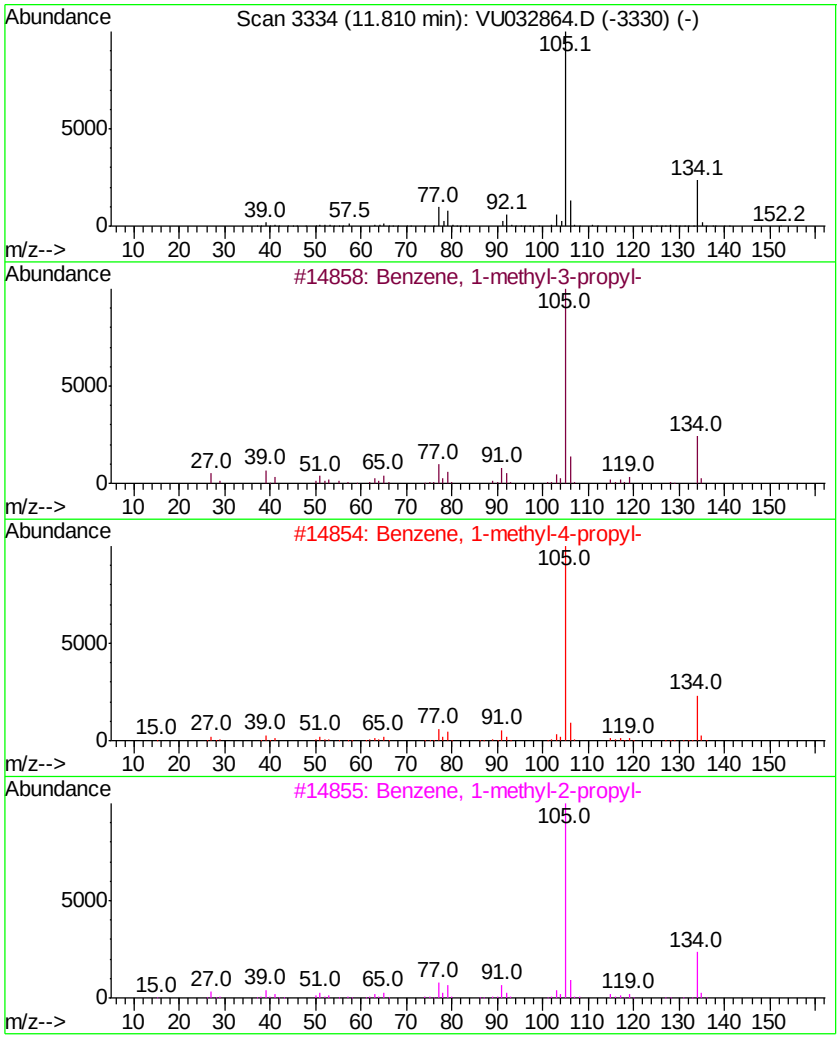
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

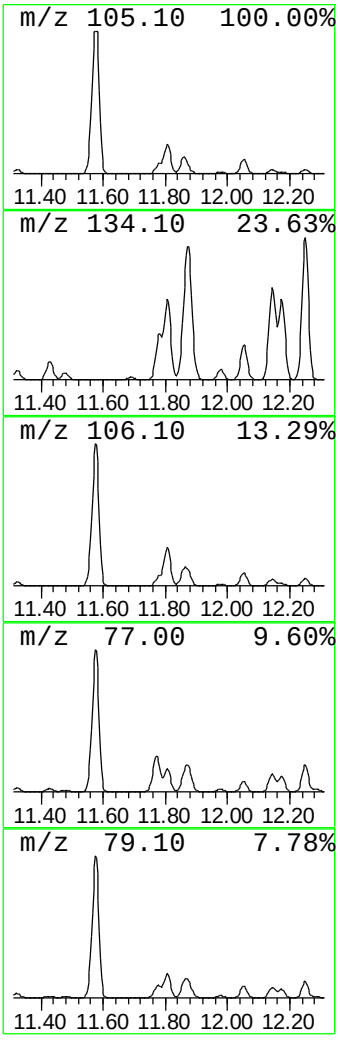
****

Peak Number 33 Benzene, 1-methyl-3-propyl- Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	0.61 ug/L	5190970	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	90
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	90
3	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	86
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	86
5	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

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

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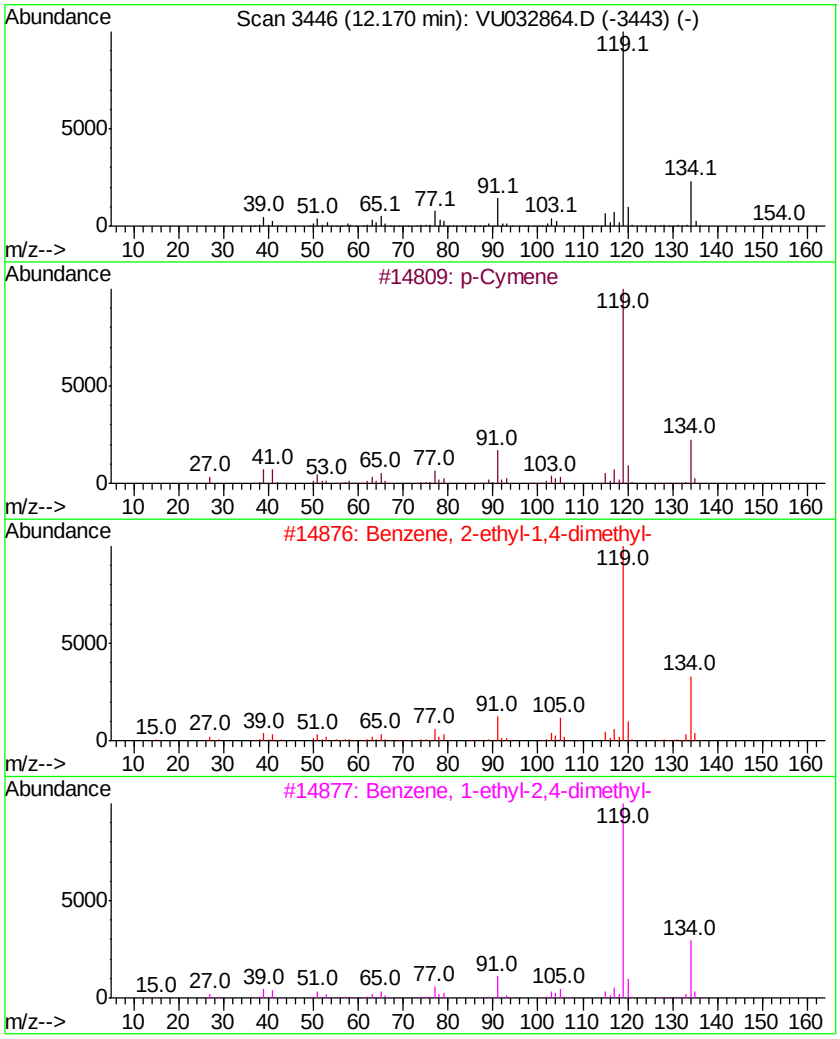
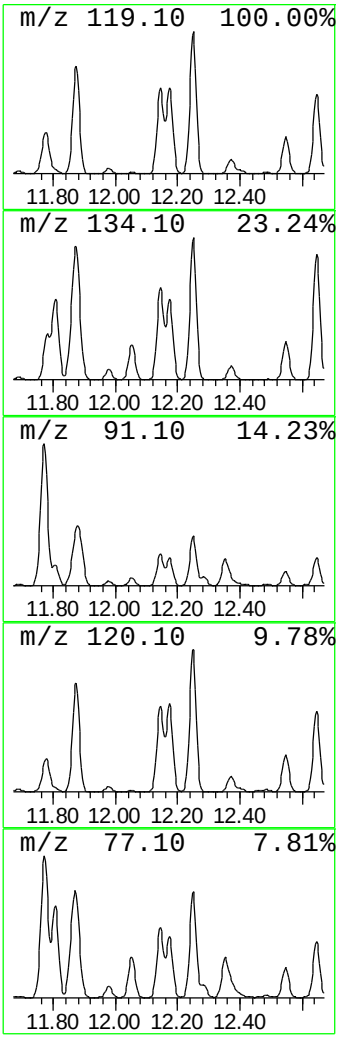
Peak Number 35 p-Cymene Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	0.66 ug/L	5619610	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
4	p-Cymene	134	C10H14	000099-87-6	91
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

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

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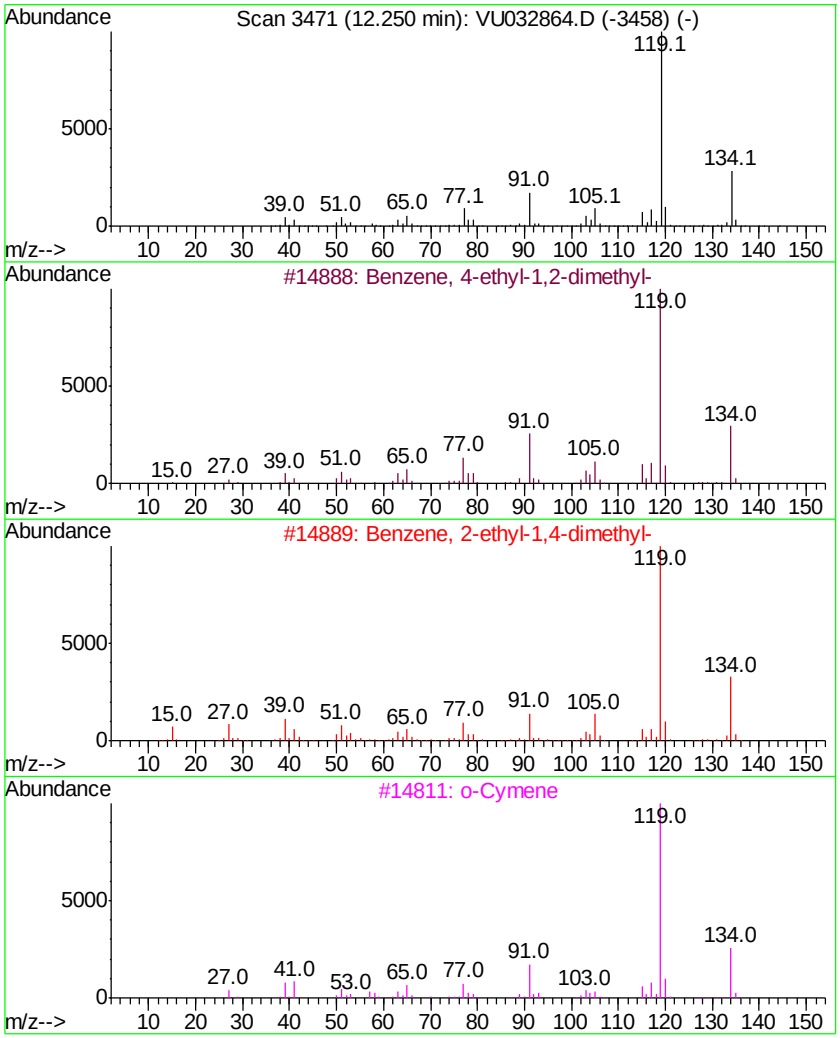
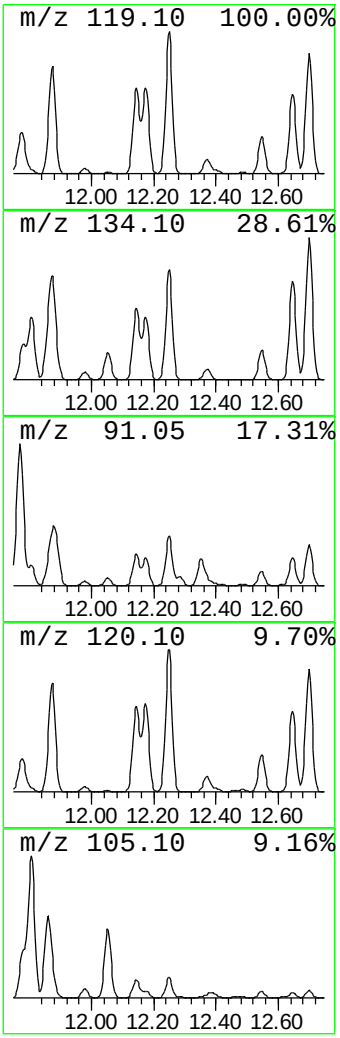
Peak Number 36 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	1.29 ug/L	10929800	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

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

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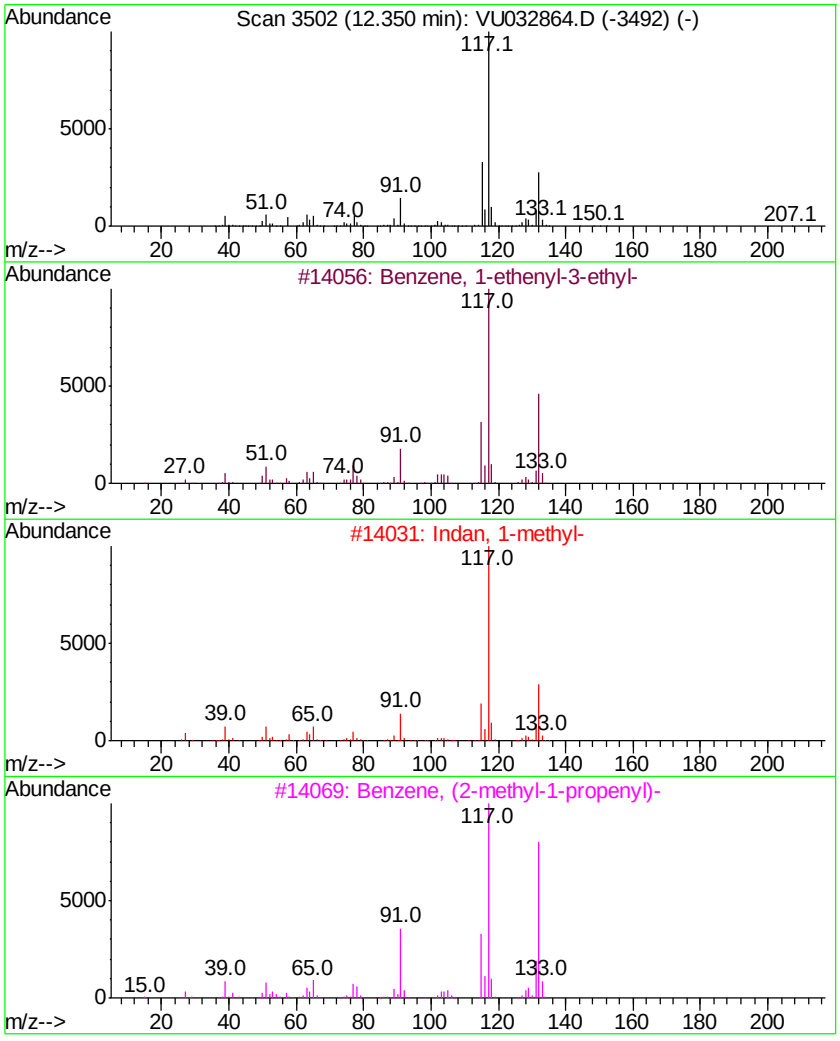
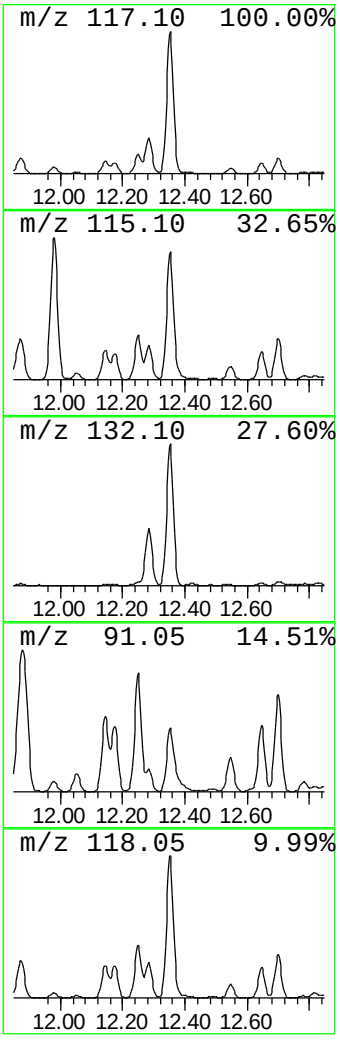
Peak Number 37 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	1.08 ug/L	9152610	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	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	83
5	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

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

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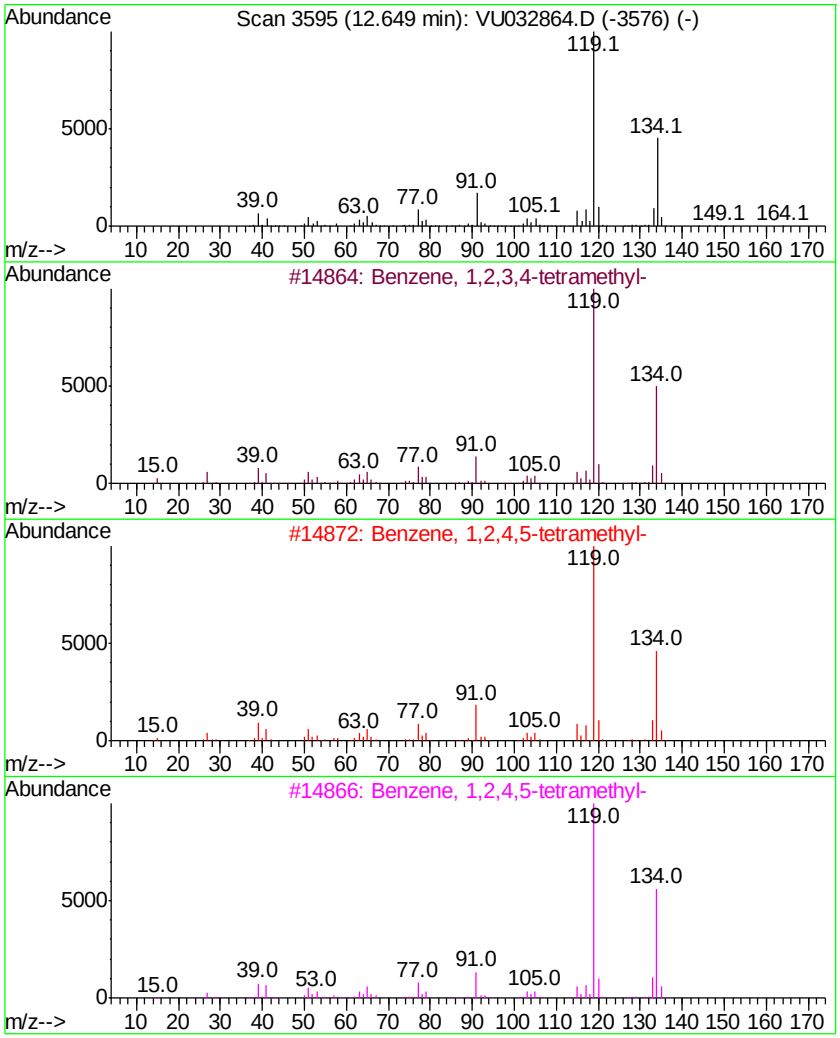
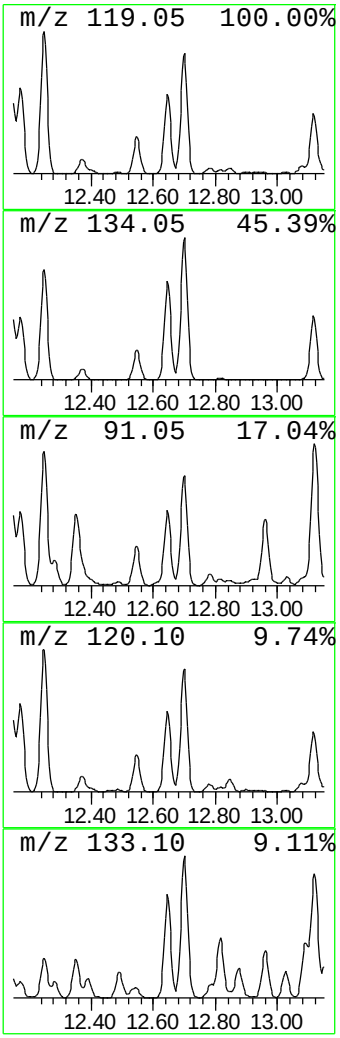
Peak Number 38 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	0.79 ug/L	6731740	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

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

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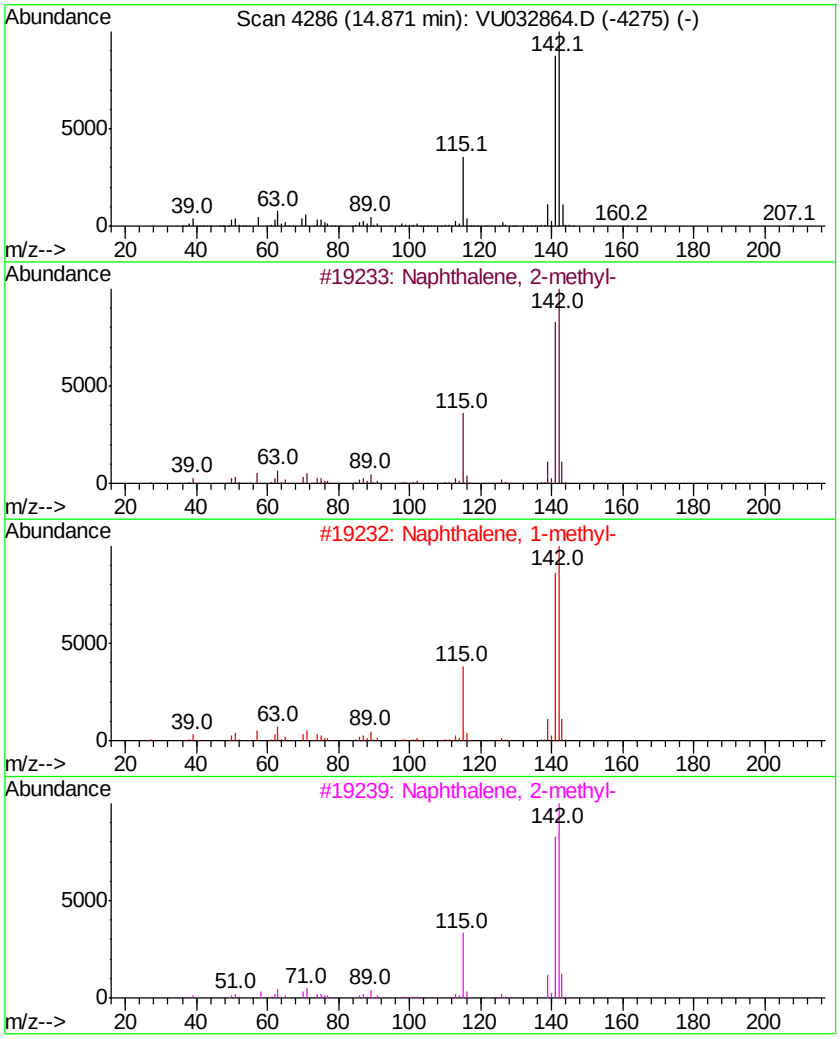
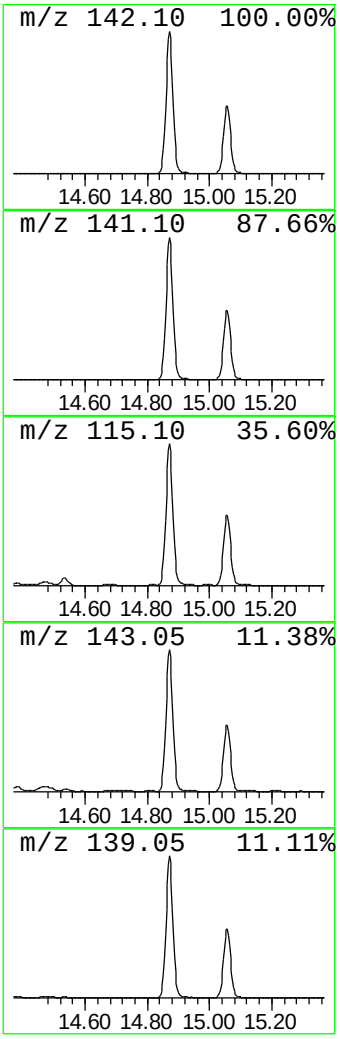
Peak Number 43 Naphthalene, 1-methyl- Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	0.79 ug/L	6719390	1,4-Dichlorobenzene-d4	11.48

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
Data File : VU032864.D
Acq On : 19 Jun 2019 17:41
Operator : JC/SP
Sample : K3413-19
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR060419WMA.M
Quant Title : TRACE VOA SOM01.0

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	1.75	58.3	ug/L	54503700	1	5.88	4672030	5.0
(DEL) Alkane: Cyc...	1.90	4.0	ug/L	3731030	1	5.88	4672030	5.0
(DEL) Alkane: Str...	1.94	23.5	ug/L	21927500	1	5.88	4672030	5.0
(DEL) Alkane: Cyc...	2.04	15.0	ug/L	13982000	1	5.88	4672030	5.0
(DEL) Alkane: Cyc...	2.13	9.4	ug/L	8796930	1	5.88	4672030	5.0
(DEL) Alkane: Cyc...	2.18	29.4	ug/L	27490000	1	5.88	4672030	5.0
Cyclopentene	2.68	18.2	ug/L	17019700	1	5.88	4672030	5.0
(DEL) Alkane: Str...	2.74	14.3	ug/L	13336500	1	5.88	4672030	5.0
(DEL) Alkane: Cyc...	2.78	20.7	ug/L	19366700	1	5.88	4672030	5.0
(DEL) Alkane: Str...	2.98	12.3	ug/L	11492600	1	5.88	4672030	5.0
(DEL) Alkane: Cyc...	3.18	3.7	ug/L	3484410	1	5.88	4672030	5.0
(DEL) Alkane: Str...	3.29	5.3	ug/L	4947850	1	5.88	4672030	5.0
(DEL) Alkane: Cyc...	3.48	4.7	ug/L	4371200	1	5.88	4672030	5.0
(DEL) Alkane: Cyc...	3.54	5.7	ug/L	5285590	1	5.88	4672030	5.0
(DEL) Alkane: Cyc...	3.64	4.0	ug/L	3775090	1	5.88	4672030	5.0
Cyclopentene, 3-m...	3.72	7.4	ug/L	6912580	1	5.88	4672030	5.0
(DEL) Alkane: Cyc...	3.88	5.7	ug/L	5360450	1	5.88	4672030	5.0
(DEL) Alkane: Cyc...	4.08	25.9	ug/L	24192400	1	5.88	4672030	5.0
Cyclopentene, 4-m...	4.77	8.7	ug/L	8148680	1	5.88	4672030	5.0
(DEL) Alkane: Str...	5.07	7.0	ug/L	6561630	1	5.88	4672030	5.0
(DEL) Alkane: Str...	5.21	3.9	ug/L	3620770	1	5.88	4672030	5.0
Cyclohexene	5.52	8.8	ug/L	8271400	1	5.88	4672030	5.0
(DEL) Alkane: Cyc...	5.61	3.8	ug/L	3554180	1	5.88	4672030	5.0
1,3-Pentadiene, 2...	5.94	5.0	ug/L	4672030	1	5.88	4672030	5.0
Cyclopentene, 1,5...	7.06	5.4	ug/L	5069870	1	5.88	4672030	5.0
Benzene, propyl-	10.59	2.6	ug/L	21646700	3	11.48	42349100	5.0
Benzene, 1-ethyl-...	10.69	12.0	ug/L	101910000	3	11.48	42349100	5.0
Benzene, 1-ethyl-...	10.98	4.6	ug/L	39179200	3	11.48	42349100	5.0
Benzene, 2-propenyl-	11.77	4.7	ug/L	39645700	3	11.48	42349100	5.0
Benzene, 1-methyl...	11.81	0.6	ug/L	5190970	3	11.48	42349100	5.0
p-Cymene	12.17	0.7	ug/L	5619610	3	11.48	42349100	5.0
Benzene, 4-ethyl-...	12.25	1.3	ug/L	10929800	3	11.48	42349100	5.0
Benzene, 1-etheny...	12.35	1.1	ug/L	9152610	3	11.48	42349100	5.0
Benzene, 1,2,3,4-...	12.65	0.8	ug/L	6731740	3	11.48	42349100	5.0
Naphthalene, 1-me...	14.87	0.8	ug/L	6719390	3	11.48	42349100	5.0