LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032865.D
Acq On : 19 Jun 2019 18:05
Operator : JC/SP
Sample : K3413-15
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG3

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	1.180	22	28	42	rBV	67670	69284	9.94%	1.014%
2	1.270	48	56	60	rBV2	12294	18906	2.71%	0.277%
3	1.399	88	96	106	rVB2	88835	100147	14.36%	1.466%
4	1.678	176	183	198	rVV	50589	63293	9.08%	0.927%
5	1.756	199	207	224	rVB	52358	71822	10.30%	1.051%
6	1.900	248	252	258	rVB	8507	9354	1.34%	0.137%
7	1.945	259	266	278	rVB3	27478	41720	5.98%	0.611%
8	2.048	291	298	307	rVB2	20151	27671	3.97%	0.405%
9	2.135	319	325	331	rBV2	9254	12513	1.79%	0.183%
10	2.183	333	340	350	rVB2	24581	37361	5.36%	0.547%
11	2.270	357	367	377	rBV	102838	153982	22.08%	2.254%
12	2.784	521	527	540	rVB4	9517	16569	2.38%	0.243%
13	2.993	582	592	612	rVB4	23803	57491	8.25%	0.842%
14	3.537	753	761	773	rVB6	3634	7584	1.09%	0.111%
15	4.077	912	929	948	rVB3	10572	28766	4.13%	0.421%
16	4.186	948	963	1006	rBV	79672	218269	31.31%	3.195%
17	4.389	1011	1026	1056	rVB	31287	78511	11.26%	1.149%
18	4.640	1084	1104	1125	rBV	78952	186279	26.72%	2.727%
19	4.981	1197	1210	1226	rVB7	7207	17322	2.48%	0.254%
20	5.331	1297	1319	1353	rBV2	154282	464897	66.68%	6.806%
21	5.881	1477	1490	1515	rBV	158290	308350	44.22%	4.514%
22	6.325	1611	1628	1643	rBV2	100675	202929	29.10%	2.971%
23	6.408	1648	1654	1664	rVB5	4452	7071	1.01%	0.104%
24	7.222	1896	1907	1923	rBV	54735	100557	14.42%	1.472%
25	7.559	1998	2012	2023	rBV	206453	358275	51.39%	5.245%
26	7.630	2023	2034	2058	rVB	396796	697231	100.00%	10.207%
27	7.845	2091	2101	2121	rBV2	34707	60714	8.71%	0.889%
28	8.218	2206	2217	2234	rVB	166108	277463	39.79%	4.062%
29	8.308	2234	2245	2279	rBV	280843	515407	73.92%	7.545%
30	9.083	2474	2486	2506	rBV	224144	374311	53.69%	5.480%
31	9.244	2526	2536	2555	rBV	80463	134027	19.22%	1.962%
32	9.369	2562	2575	2604	rBV	197957	351943	50.48%	5.152%
33	9.775	2688	2701	2718	rBV	91358	155863	22.35%	2.282%
34	10.427	2890	2904	2921	rBV	84969	135494	19.43%	1.984%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032865.D
Acq On : 19 Jun 2019 18:05
Operator : JC/SP
Sample : K3413-15
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG3

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	2943	2954	2971	rBV2	12752	31763	4.56%	0.465%
36	10.675	2971	2981	2988	rBV	35995	63644	9.13%	0.932%
37	10.768	3001	3010	3019	rBV2	16560	24682	3.54%	0.361%
38	10.964	3061	3071	3083	rBV2	17465	27278	3.91%	0.399%
39	11.144	3117	3127	3148	rBV	83609	138713	19.89%	2.031%
40	11.373	3187	3198	3208	rBV4	8119	13626	1.95%	0.199%
41	11.479	3219	3231	3249	rBV	243086	393704	56.47%	5.764%
42	11.565	3250	3258	3273	rVB	20590	33360	4.78%	0.488%
43	11.762	3308	3319	3327	rBV	18308	32073	4.60%	0.470%
44	11.855	3337	3348	3369	rVB	217498	372021	53.36%	5.446%
45	12.141	3427	3437	3442	rBV5	4498	6994	1.00%	0.102%
46	12.247	3459	3470	3479	rBV2	7231	12353	1.77%	0.181%
47	12.350	3494	3502	3515	rBV4	4023	7034	1.01%	0.103%
48	12.646	3587	3594	3602	rBV3	5008	7709	1.11%	0.113%
49	12.700	3603	3611	3626	rVB2	8831	14564	2.09%	0.213%
50	12.961	3682	3692	3702	rBV5	6221	9662	1.39%	0.141%
51	13.118	3727	3741	3751	rBV2	14571	24515	3.52%	0.359%
52	13.742	3922	3935	3964	rBV2	49873	111298	15.96%	1.629%
53	14.884	4278	4290	4316	rBV2	32503	91737	13.16%	1.343%
54	15.064	4336	4346	4367	rBV2	24265	52642	7.55%	0.771%

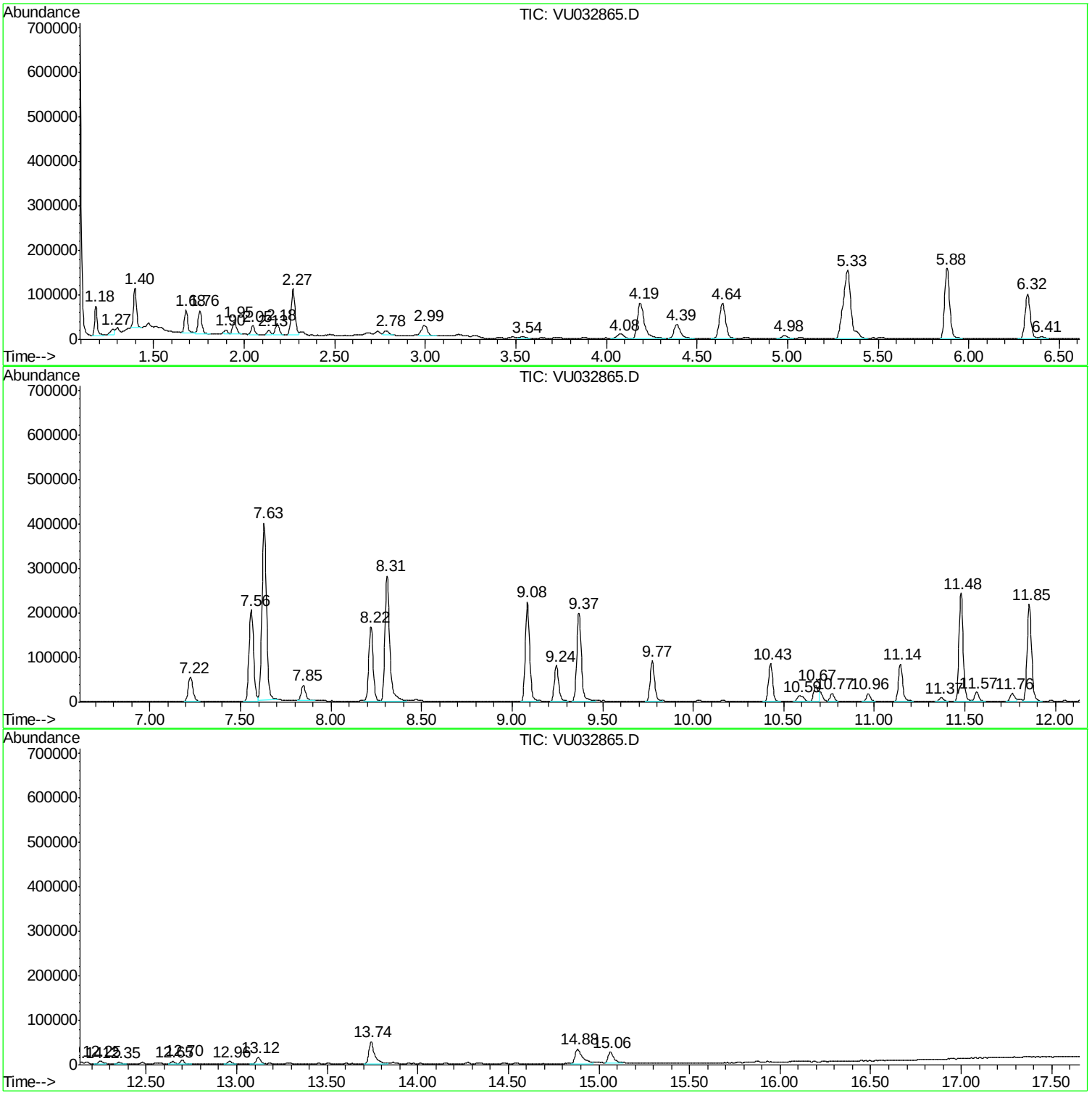
Sum of corrected areas: 6830748

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032865.D
Acq On : 19 Jun 2019 18:05
Operator : JC/SP
Sample : K3413-15
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG3

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 : VU032865.D
Acq On : 19 Jun 2019 18:05
Operator : JC/SP
Sample : K3413-15
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG3

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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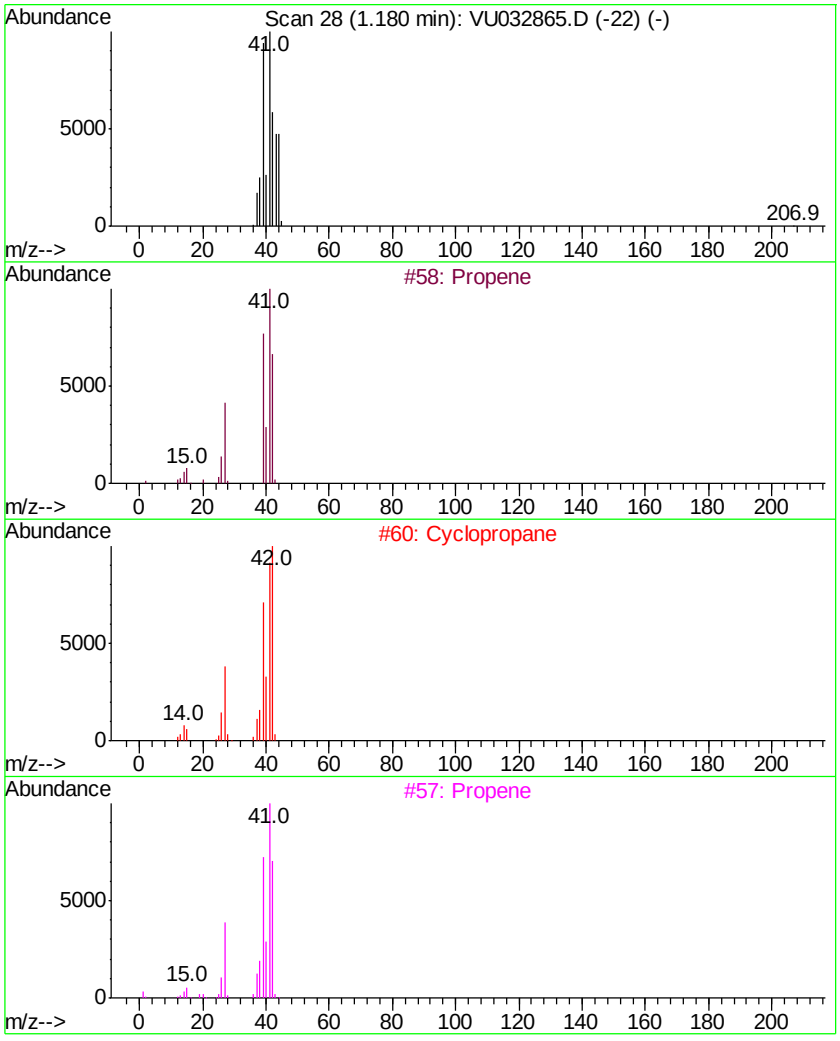
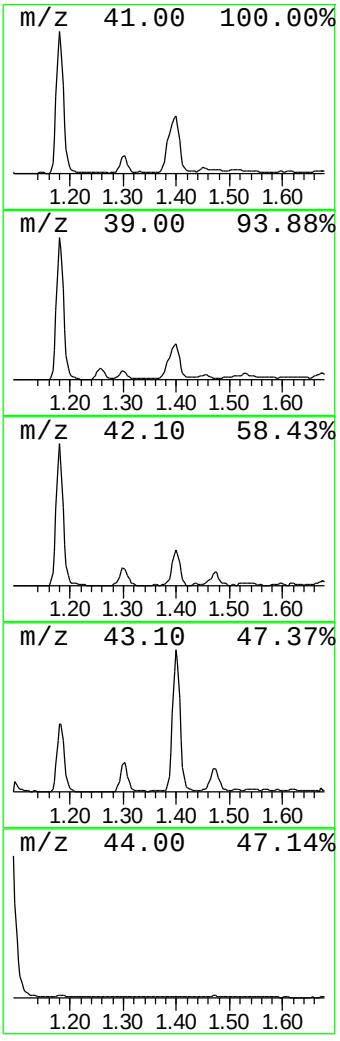
Peak Number 1 (DEL) Alkane: Cyclic1.18 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.18	1.12 ug/L	69284	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	42
2	Cyclopropane	42	C3H6	000075-19-4	9
3	Propene	42	C3H6	000115-07-1	9
4	Cyclopropene	40	C3H4	002781-85-3	4
5	Cyclopropane	42	C3H6	000075-19-4	2





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032865.D
Acq On : 19 Jun 2019 18:05
Operator : JC/SP
Sample : K3413-15
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG3

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

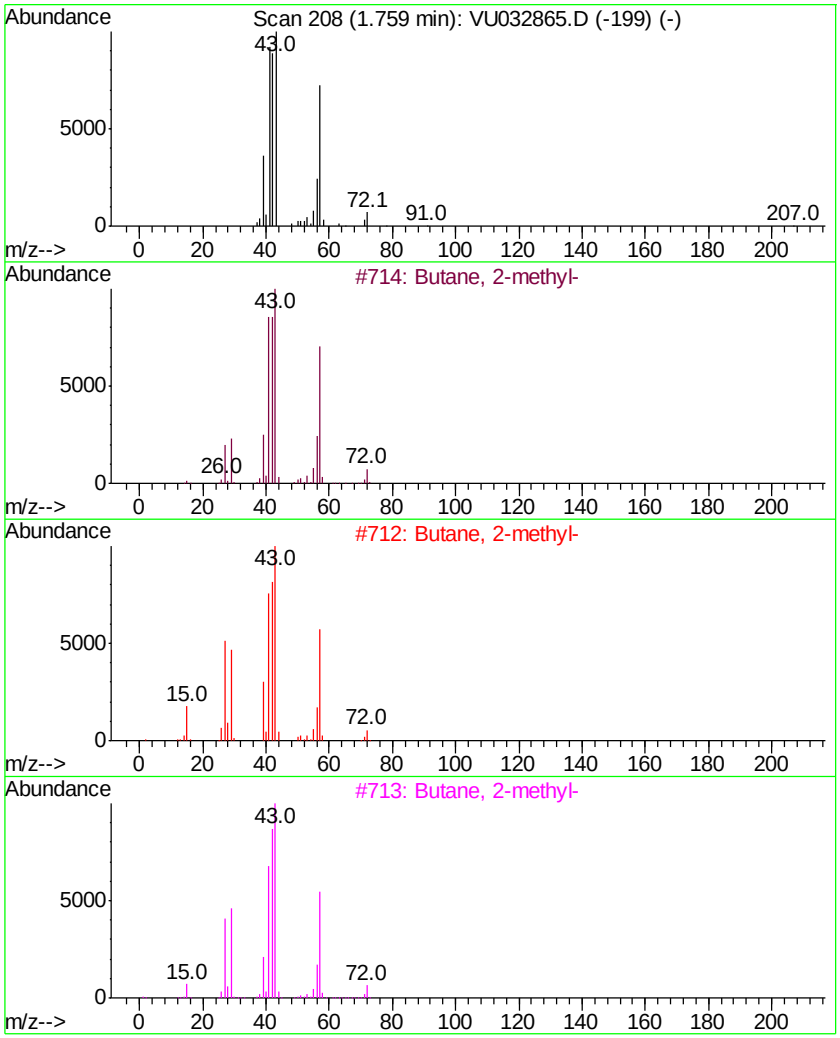
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

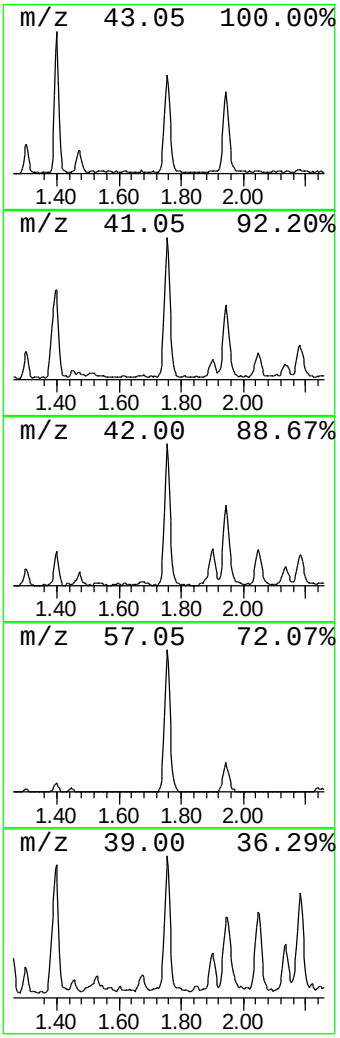
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.76	1.16 ug/L	71822	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Butane, 2-methyl-	72	C5H12	000078-78-4	90
3	Butane, 2-methyl-	72	C5H12	000078-78-4	90
4	3-Buten-1-ol	72	C4H8O	000627-27-0	43
5	Oxirane, trimethyl-	86	C5H10O	005076-19-7	36





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032865.D
Acq On : 19 Jun 2019 18:05
Operator : JC/SP
Sample : K3413-15
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG3

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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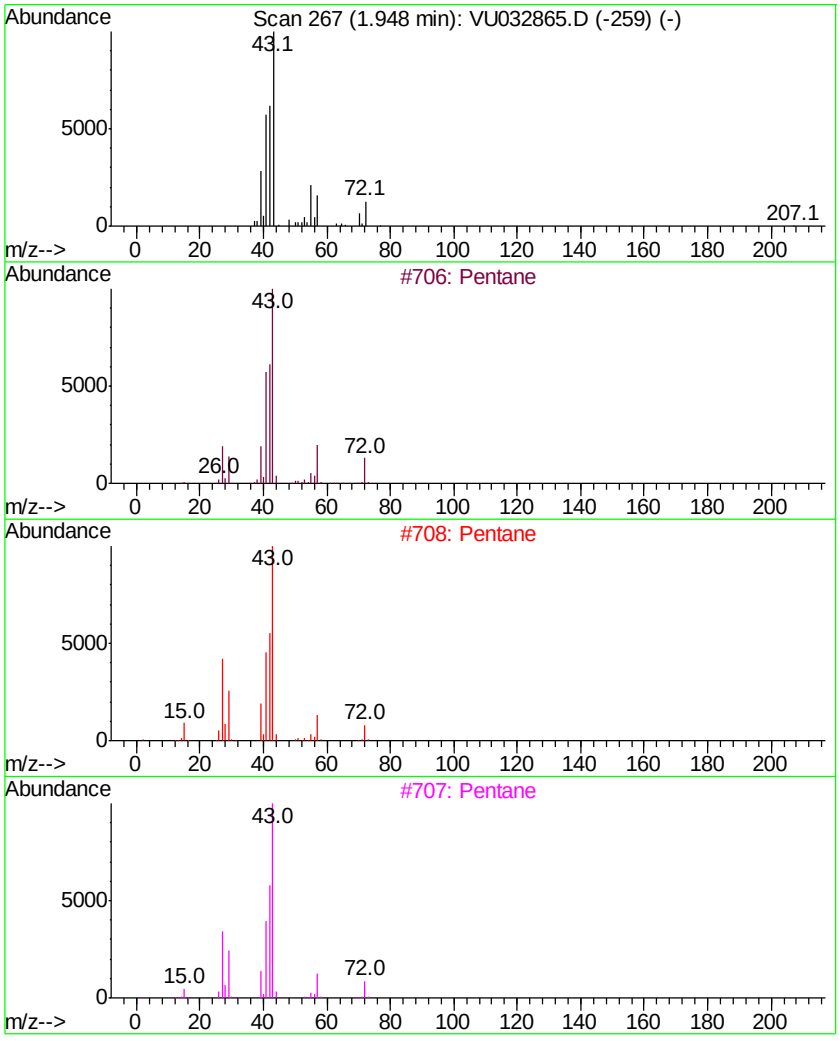
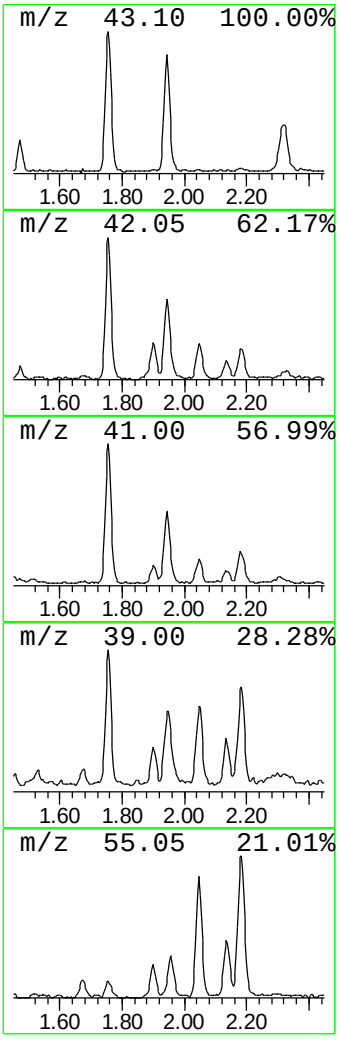
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.95	0.68 ug/L	41720	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	80
2	Pentane	72	C5H12	000109-66-0	72
3	Pentane	72	C5H12	000109-66-0	64
4	Pentane	72	C5H12	000109-66-0	64
5	Oxirane, ethyl-	72	C4H8O	000106-88-7	40





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032865.D
Acq On : 19 Jun 2019 18:05
Operator : JC/SP
Sample : K3413-15
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG3

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

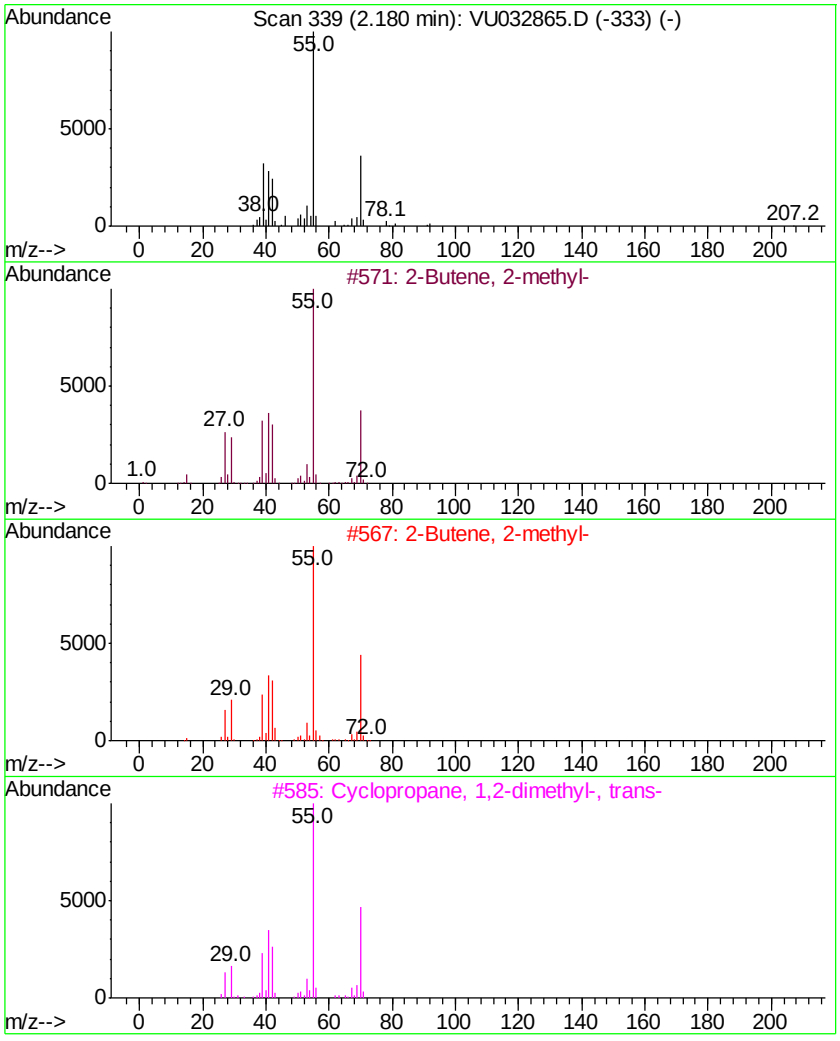
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

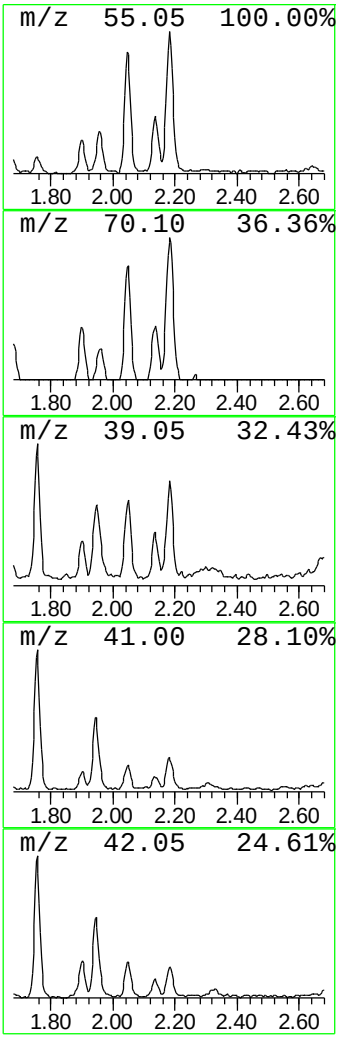
****

Peak Number 4 (DEL) Alkane: Cyclic2.18 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	0.61 ug/L	37361	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
2	2-Butene, 2-methyl-	70	C5H10	000513-35-9	86
3	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	86
4	Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	86
5	1-Butene, 3-methyl-	70	C5H10	000563-45-1	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032865.D
Acq On : 19 Jun 2019 18:05
Operator : JC/SP
Sample : K3413-15
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG3

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

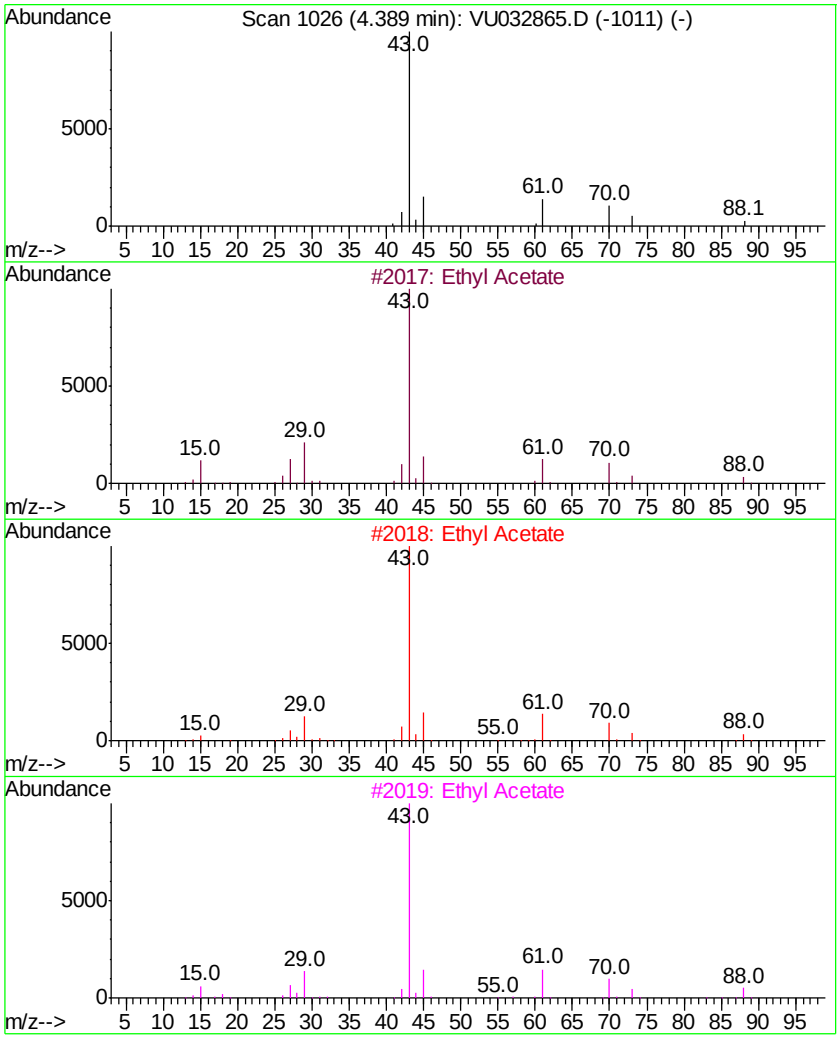
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

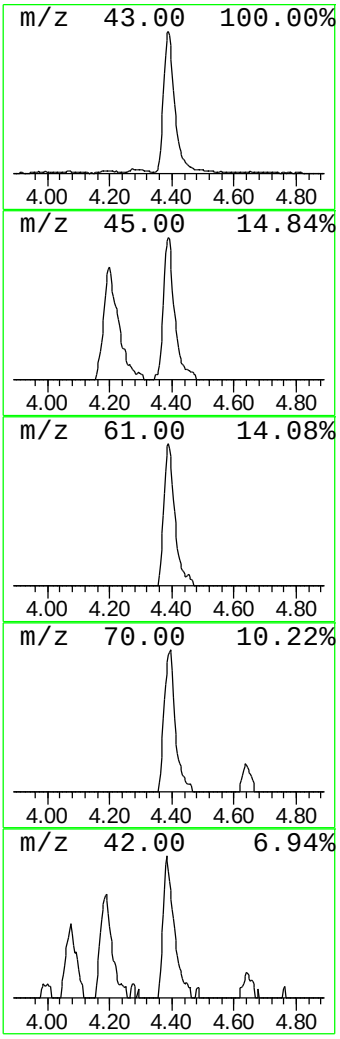
****

Peak Number 5 Ethyl Acetate Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.39	1.27 ug/L	78511	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl Acetate	88	C4H8O2	000141-78-6	90
2	Ethyl Acetate	88	C4H8O2	000141-78-6	90
3	Ethyl Acetate	88	C4H8O2	000141-78-6	83
4	Ethyl Acetate	88	C4H8O2	000141-78-6	83
5	CH3C(O)CH2CH2OH	88	C4H8O2	000590-90-9	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061919\
Data File : VU032865.D
Acq On : 19 Jun 2019 18:05
Operator : JC/SP
Sample : K3413-15
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG3

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

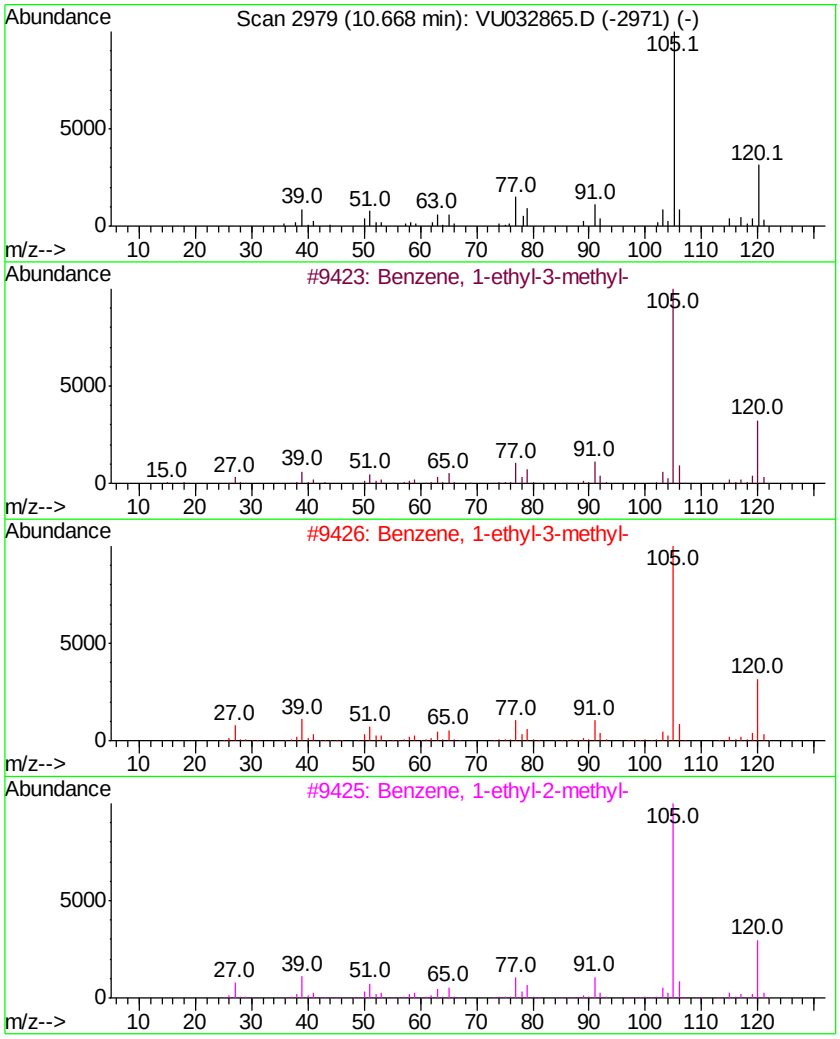
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

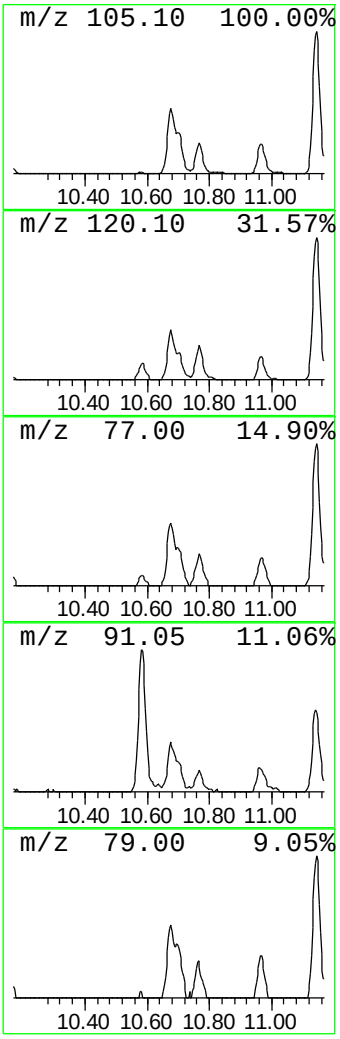
****

Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.67	0.81 ug/L	63644	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	97
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94





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Data File : VU032865.D
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Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG3

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

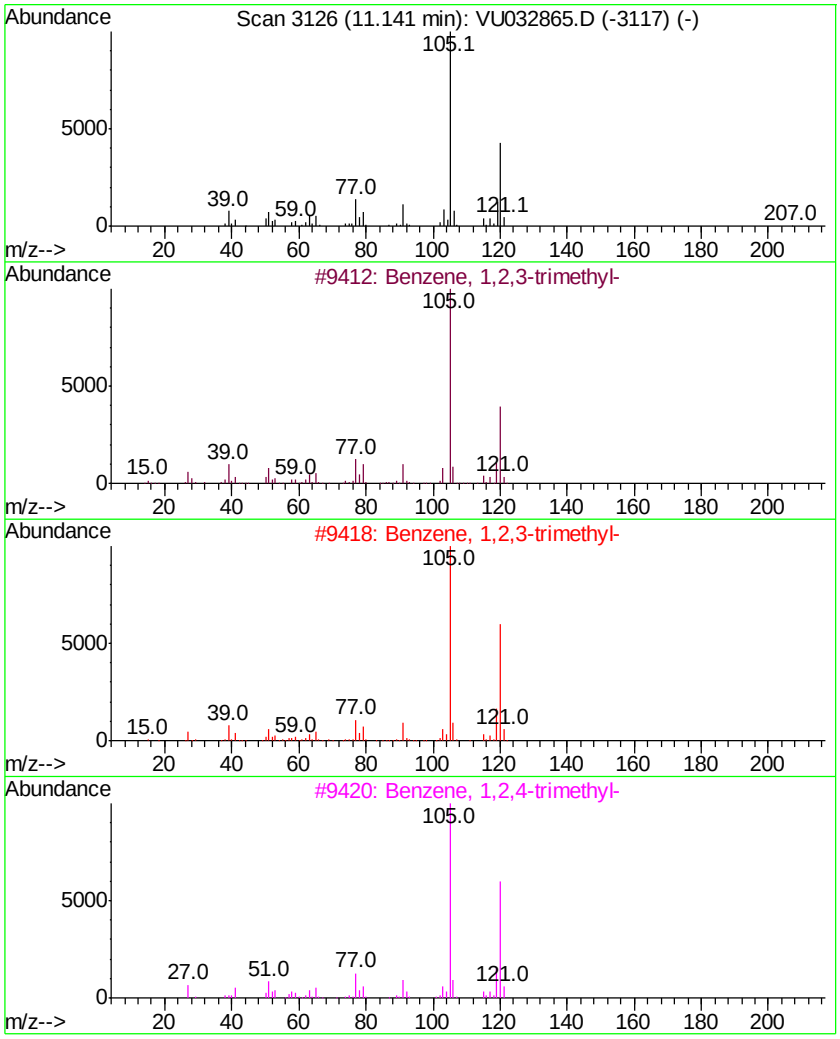
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

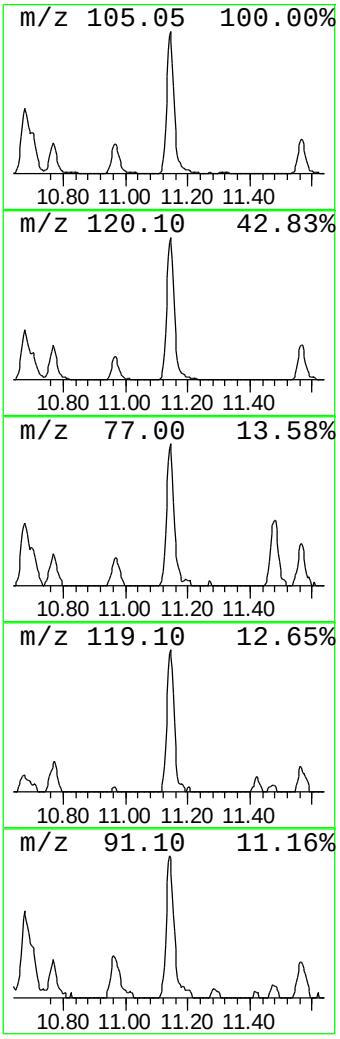
****

Peak Number 8 Benzene, 1,2,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	1.76 ug/L	138713	1,4-Dichlorobenzene-d4	11.48

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





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
Data File : VU032865.D
Acq On : 19 Jun 2019 18:05
Operator : JC/SP
Sample : K3413-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG3

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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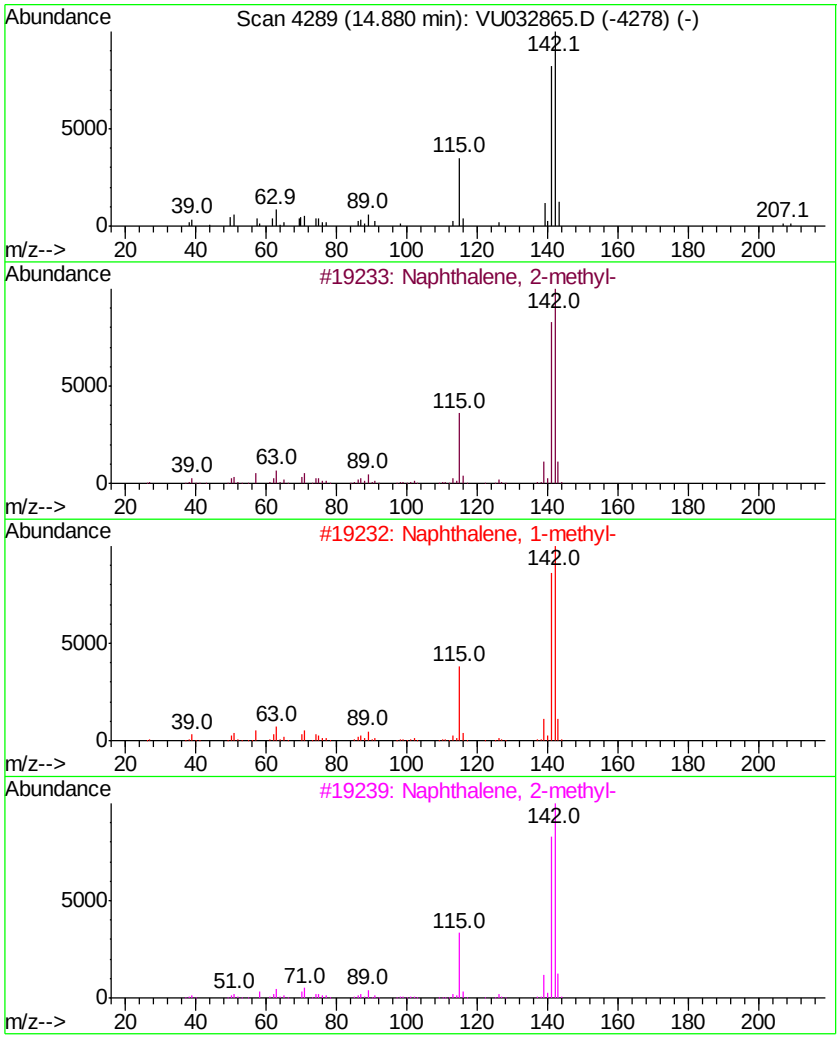
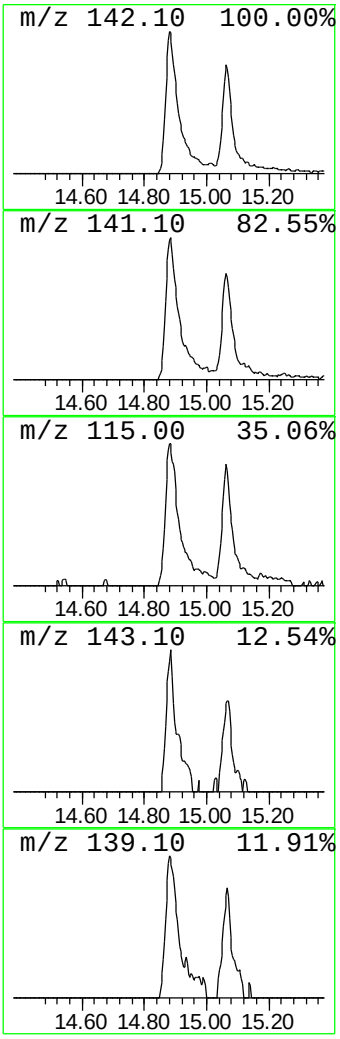
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	1.17 ug/L	91737	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061919\
Data File : VU032865.D
Acq On : 19 Jun 2019 18:05
Operator : JC/SP
Sample : K3413-15
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : GALG3

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: Cyc...	1.18	1.1	ug/L	69284	1	5.88	308350	5.0
(DEL) Alkane: Str...	1.76	1.2	ug/L	71822	1	5.88	308350	5.0
(DEL) Alkane: Str...	1.95	0.7	ug/L	41720	1	5.88	308350	5.0
(DEL) Alkane: Cyc...	2.18	0.6	ug/L	37361	1	5.88	308350	5.0
Ethyl Acetate	4.39	1.3	ug/L	78511	1	5.88	308350	5.0
Benzene, 1-ethyl-...	10.67	0.8	ug/L	63644	3	11.48	393704	5.0
Benzene, 1,2,3-tr...	11.14	1.8	ug/L	138713	3	11.48	393704	5.0
Naphthalene, 1-me...	14.88	1.2	ug/L	91737	3	11.48	393704	5.0