LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022019\
Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

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\SOMUTR021219WMA.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	1.183	22	29	45	rBV	1701094	1561409	59.99%	11.178%
2	1.302	55	66	84	rBV	196393	207525	7.97%	1.486%
3	1.399	88	96	108	rBV2	484671	504068	19.37%	3.609%
4	1.682	176	184	198	rVB	73331	90726	3.49%	0.649%
5	1.756	199	207	217	rVB	53989	69682	2.68%	0.499%
6	1.945	259	266	276	rVB	25705	34543	1.33%	0.247%
7	2.273	358	368	379	rBV	157344	241595	9.28%	1.730%
8	2.785	520	527	540	rVB	16305	28576	1.10%	0.205%
9	2.981	578	588	604	rVB6	31531	60931	2.34%	0.436%
10	4.222	951	974	1011	rBV2	977739	2602576	100.00%	18.631%
11	4.653	1089	1108	1138	rVB3	81390	260248	10.00%	1.863%
12	4.990	1197	1213	1232	rVB3	13847	34015	1.31%	0.244%
13	5.334	1299	1320	1349	rBV2	217560	616835	23.70%	4.416%
14	5.884	1477	1491	1514	rBV	222804	438778	16.86%	3.141%
15	6.186	1569	1585	1604	rVB3	23613	47979	1.84%	0.343%
16	6.328	1615	1629	1644	rBV	143035	286412	11.00%	2.050%
17	7.228	1897	1909	1935	rBV	72690	136861	5.26%	0.980%
18	7.562	1991	2013	2030	rBV	298215	525322	20.18%	3.761%
19	7.849	2090	2102	2114	rBV2	44357	78216	3.01%	0.560%
20	8.177	2189	2204	2213	rBV	41627	77114	2.96%	0.552%
21	8.312	2235	2246	2275	rBV	452863	807460	31.03%	5.780%
22	9.087	2474	2487	2506	rBV	326226	549278	21.11%	3.932%
23	10.431	2894	2905	2917	rBV	135406	223007	8.57%	1.596%
24	10.604	2948	2959	2976	rBV	74230	130255	5.00%	0.932%
25	11.482	3221	3232	3246	rBV	353037	574841	22.09%	4.115%
26	11.858	3338	3349	3372	rVB	358488	624896	24.01%	4.473%
27	12.479	3533	3542	3568	rVB4	47811	129675	4.98%	0.928%
28	12.723	3606	3618	3629	rVB8	20850	40244	1.55%	0.288%
29	12.794	3629	3640	3644	rBV9	16612	32062	1.23%	0.230%
30	13.324	3799	3805	3822	rVB5	20568	38140	1.47%	0.273%
31	13.504	3853	3861	3869	rBV3	29059	51411	1.98%	0.368%
32	13.784	3940	3948	3959	rBV7	18387	31562	1.21%	0.226%
33	13.852	3960	3969	3975	rBV4	28007	50249	1.93%	0.360%
34	13.948	3990	3999	4008	rBV5	41026	77936	2.99%	0.558%

LSC Area Percent Report

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Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

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\SOMUTR021219WMA.M
Title : TRACE VOA SOM01.0

35	14.144	4052	4060	4067	rBV6	19352	33663	1.29%	0.241%
36	14.276	4091	4101	4109	rVB2	55971	89604	3.44%	0.641%
37	14.344	4109	4122	4134	rBV5	68531	163702	6.29%	1.172%
38	14.472	4154	4162	4171	rBV5	35063	59576	2.29%	0.426%
39	14.543	4177	4184	4194	rVB2	65532	110841	4.26%	0.793%
40	14.601	4194	4202	4213	rBV7	28283	49305	1.89%	0.353%
41	14.681	4218	4227	4240	rVV8	44542	95604	3.67%	0.684%
42	14.858	4274	4282	4296	rBV2	135585	254605	9.78%	1.823%
43	14.932	4299	4305	4318	rVB2	110959	193098	7.42%	1.382%
44	15.009	4320	4329	4335	rBV3	46285	77905	2.99%	0.558%
45	15.125	4356	4365	4371	rBV2	93510	156877	6.03%	1.123%
46	15.247	4390	4403	4412	rBV5	97530	231948	8.91%	1.660%
47	15.421	4443	4457	4466	rBV6	57130	141805	5.45%	1.015%
48	15.585	4501	4508	4524	rVB	137173	301827	11.60%	2.161%
49	15.662	4524	4532	4538	rBV3	62499	102206	3.93%	0.732%
50	15.807	4569	4577	4584	rBV3	62076	102743	3.95%	0.736%
51	15.884	4594	4601	4607	rBV5	38033	53601	2.06%	0.384%
52	15.925	4608	4614	4621	rVB5	37825	50456	1.94%	0.361%
53	16.019	4640	4643	4648	rVV3	27791	28436	1.09%	0.204%
54	16.064	4649	4657	4666	rVB4	114951	200565	7.71%	1.436%
55	16.215	4699	4704	4711	rBV2	21545	26840	1.03%	0.192%
56	16.305	4724	4732	4739	rBV5	47689	78680	3.02%	0.563%
57	16.347	4740	4745	4755	rVB4	34381	60308	2.32%	0.432%
58	17.067	4964	4969	4978	rVB4	26528	40267	1.55%	0.288%

Sum of corrected areas: 13968889

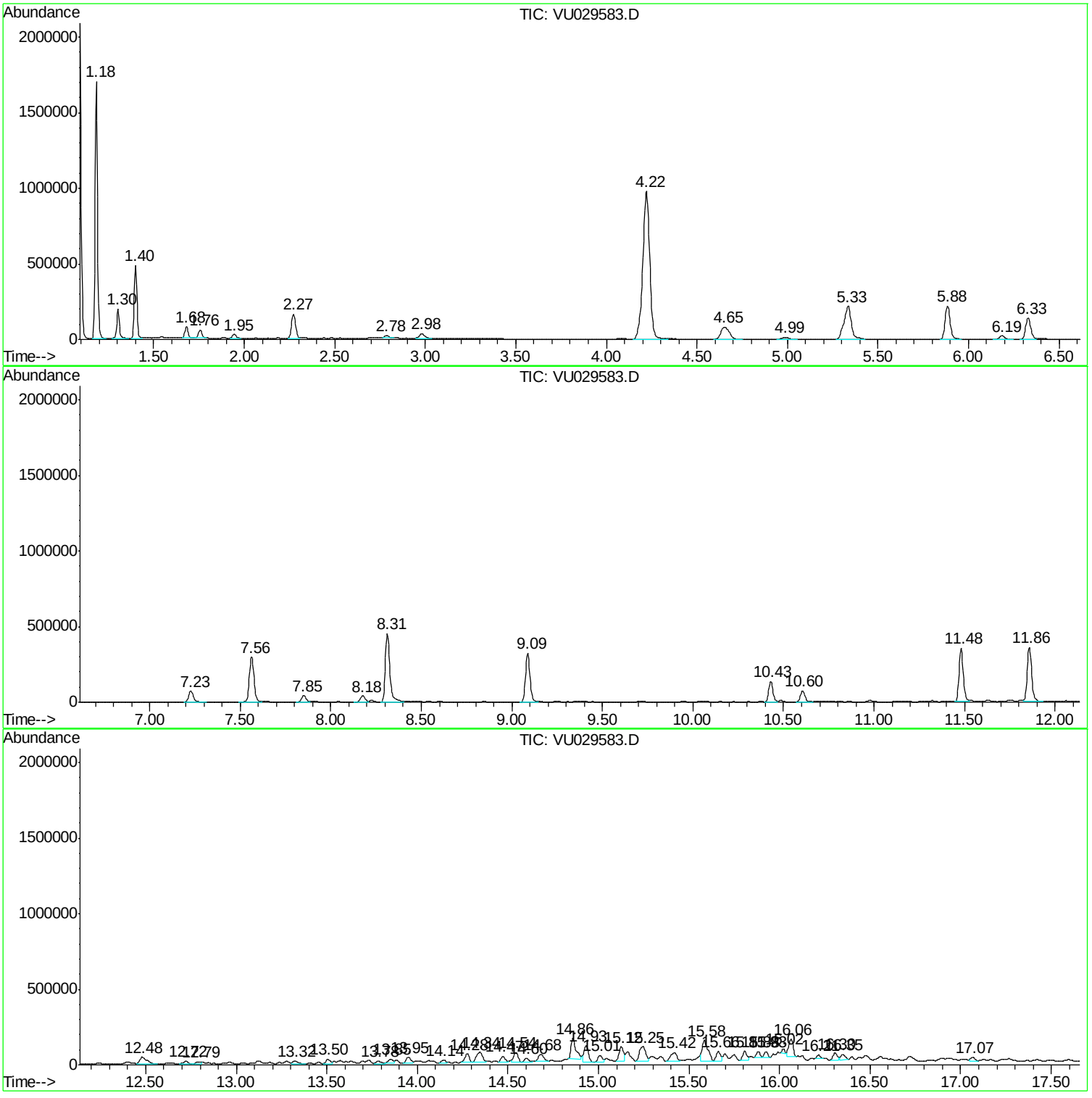
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022019\
Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.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\VU022019\
Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

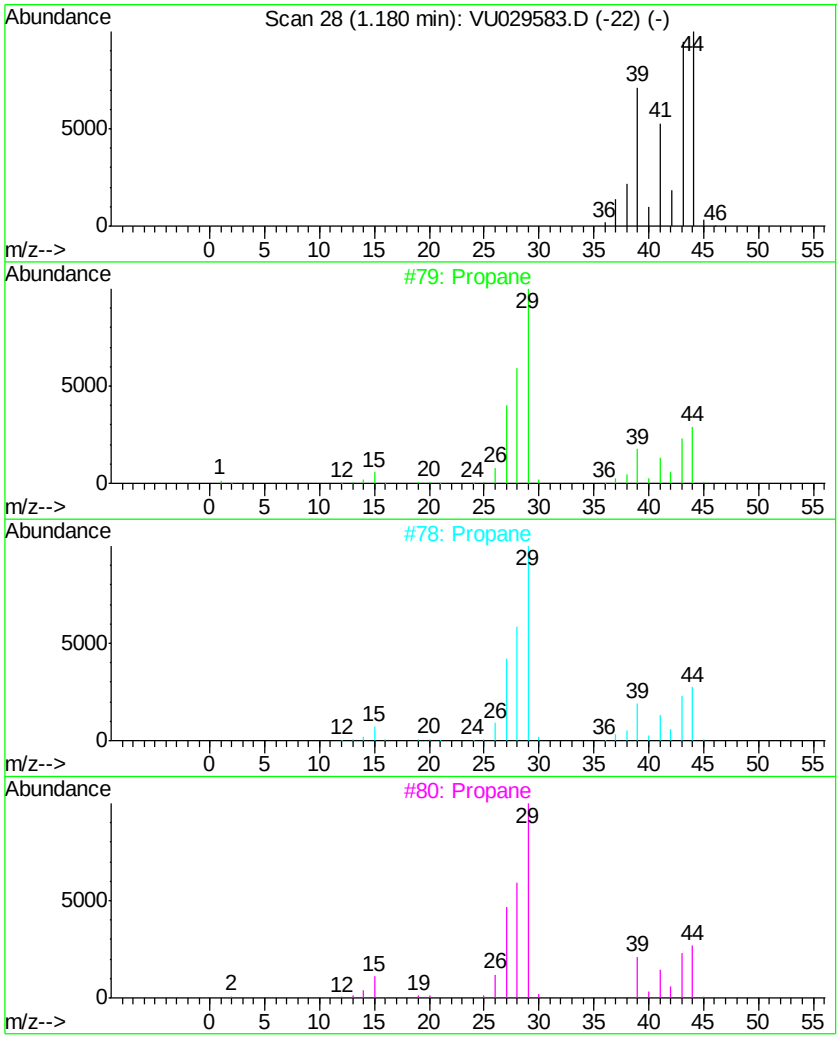
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

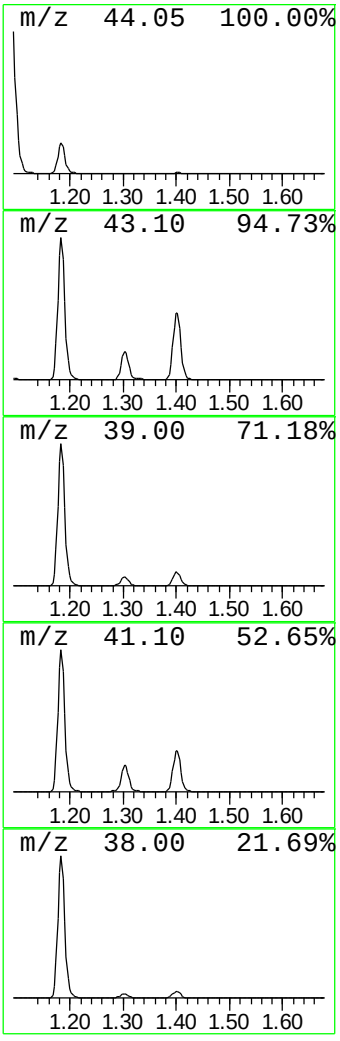
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.18	17.79 ug/L	1561410	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane	44	C3H8	000074-98-6	83
2	Propane	44	C3H8	000074-98-6	83
3	Propane	44	C3H8	000074-98-6	9
4	Propene	42	C3H6	000115-07-1	9
5	Ethylene oxide	44	C2H4O	000075-21-8	5





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022019\
Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

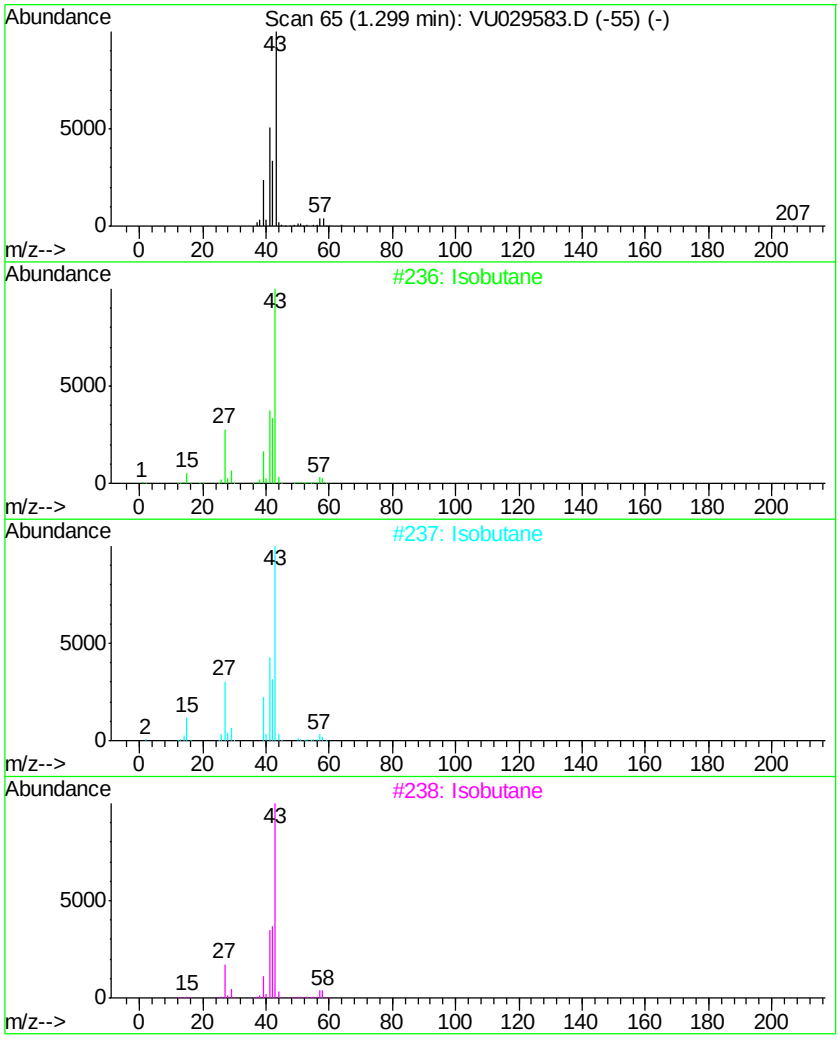
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

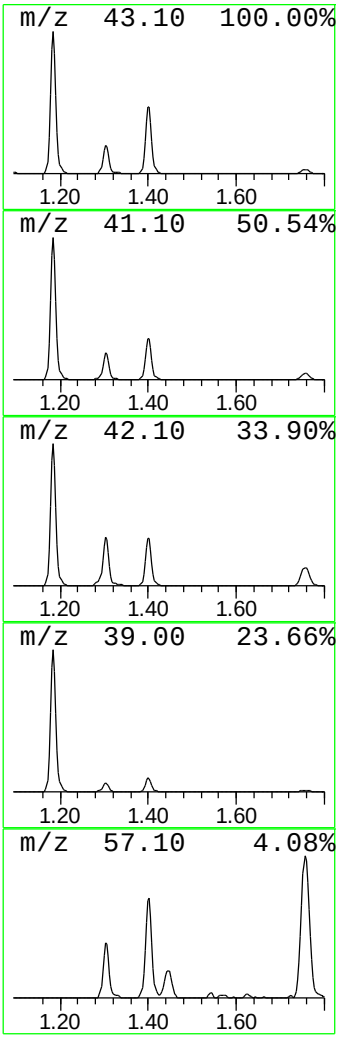
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.30	2.36 ug/L	207525	1,4-Difluorobenzene	5.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isobutane	58	C4H10	000075-28-5	72
2	Isobutane	58	C4H10	000075-28-5	64
3	Isobutane	58	C4H10	000075-28-5	59
4	Isobutane	58	C4H10	000075-28-5	59
5	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022019\
Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

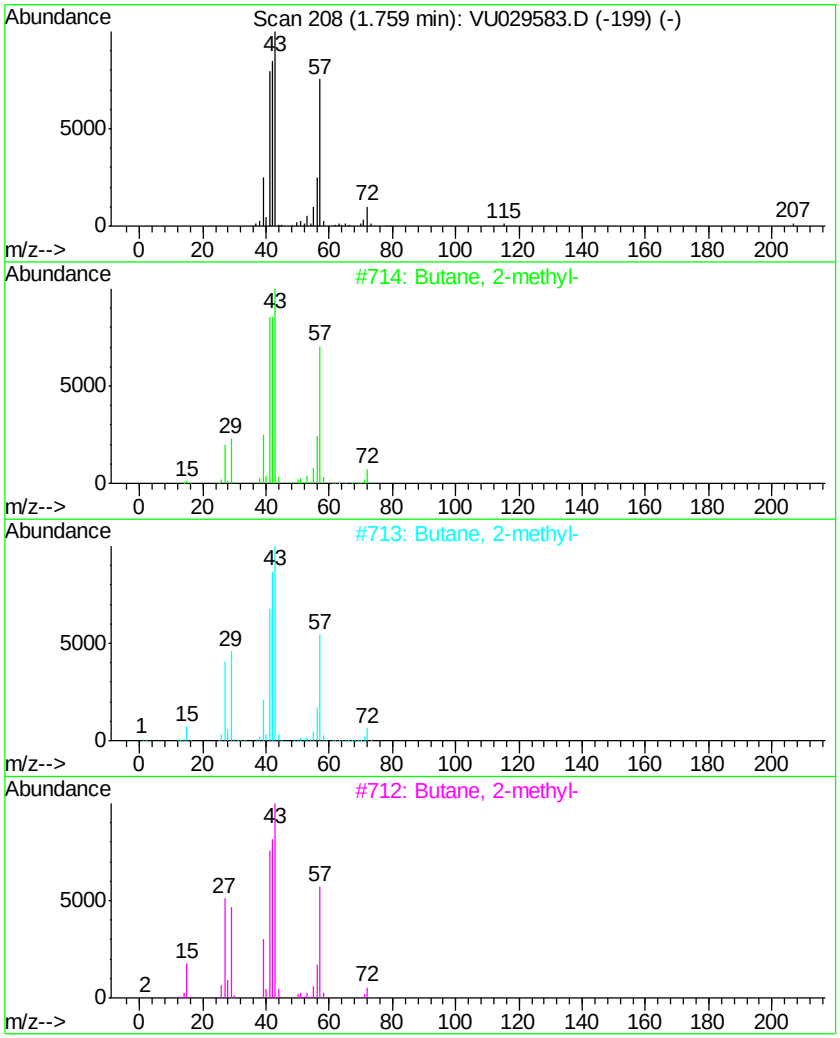
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

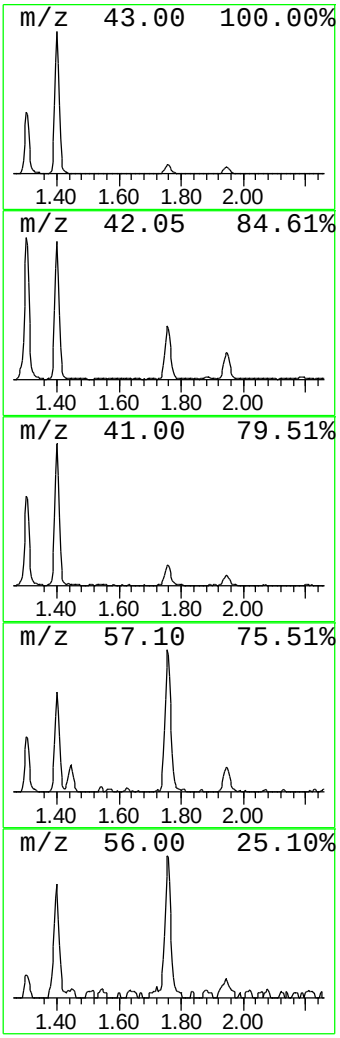
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.76	0.79 ug/L	69682	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	91
3	Butane, 2-methyl-	72	C5H12	000078-78-4	80
4	Pentane	72	C5H12	000109-66-0	36
5	3-Buten-1-ol	72	C4H8O	000627-27-0	25





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022019\
Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

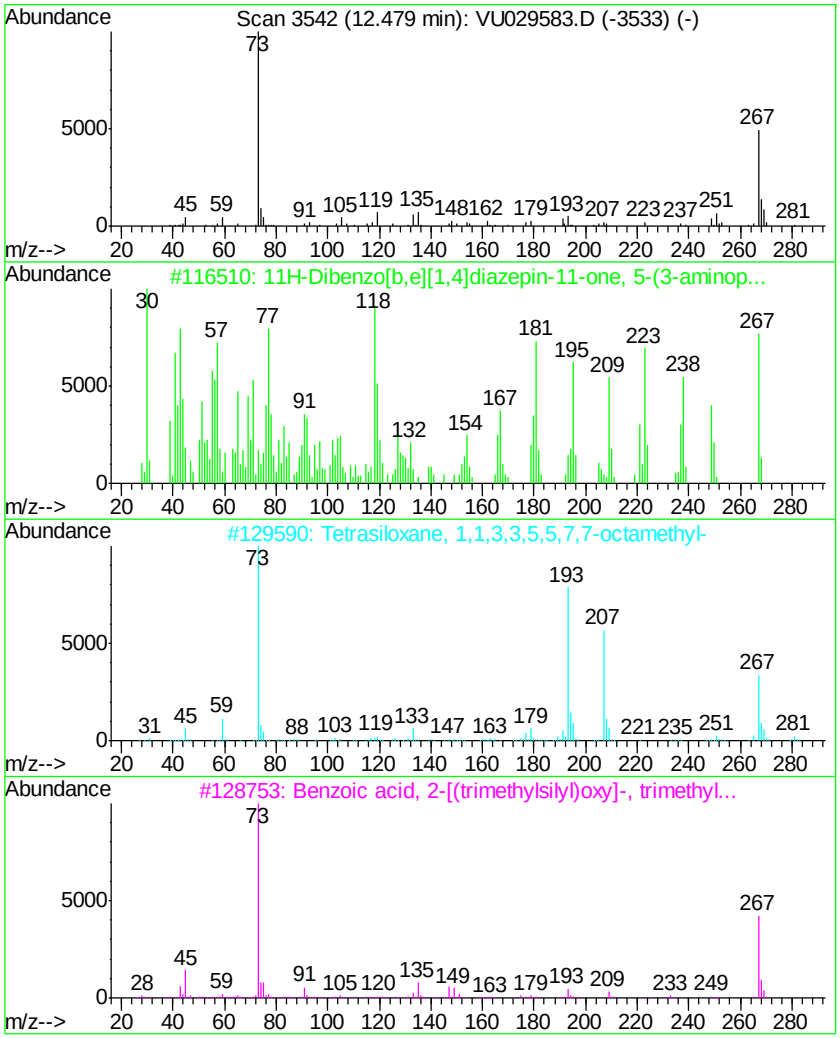
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

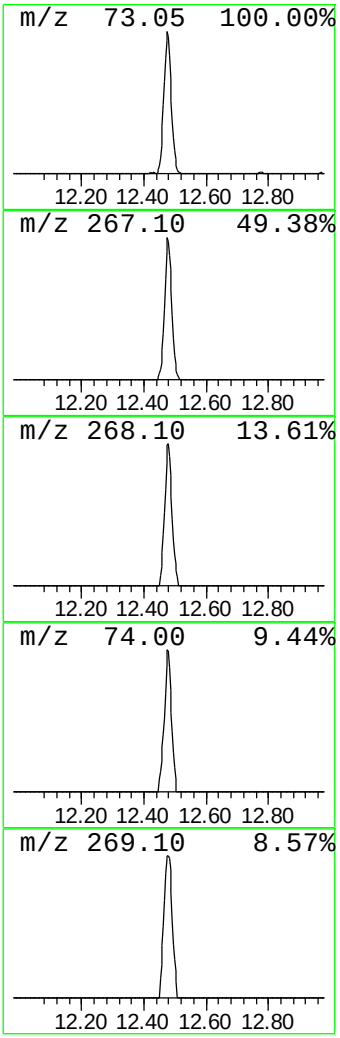
****

Peak Number 6 unknown-01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	1.13 ug/L	129675	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Dibenzo[b,e][1,4]diazepin-11...	267	C16H17N3O	013450-73-2	43
2	Tetrasiloxane, 1,1,3,3,5,5,7,7-o...	282	C8H26O3Si4	001000-05-1	40
3	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	38
4	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	37
5	4-Methylcatechol, bis(trimethyls...	268	C13H24O2Si2	1000332-79-9	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022019\
Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

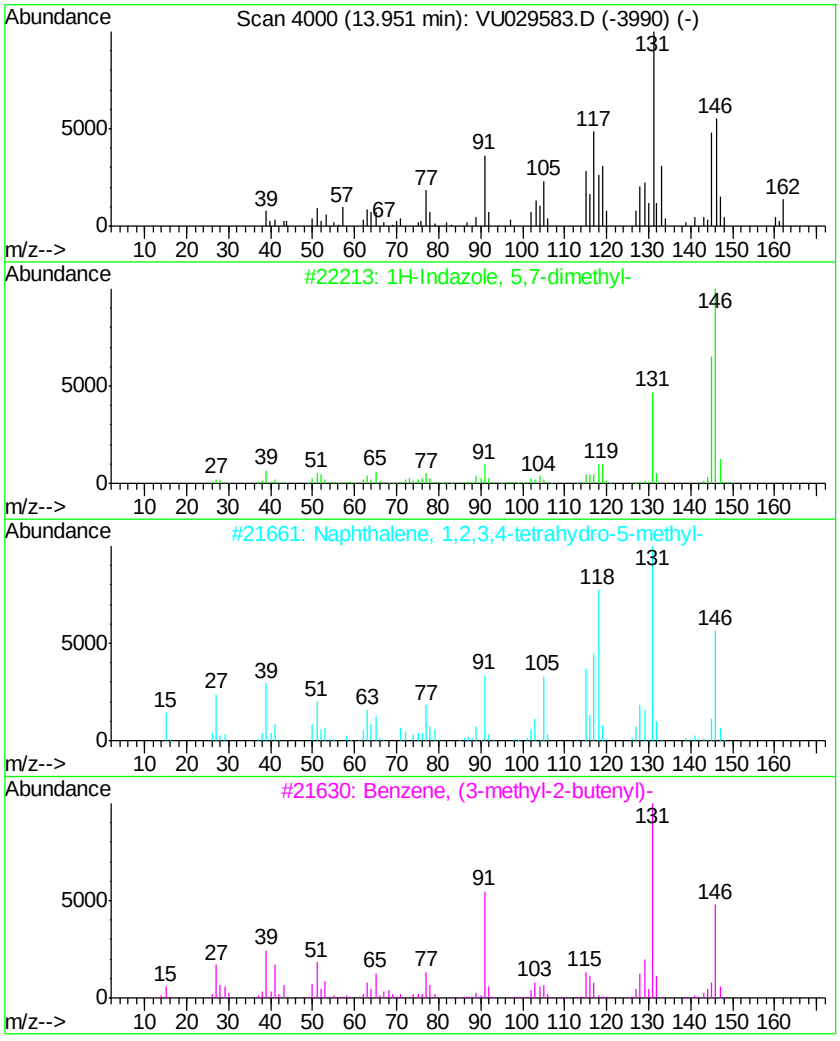
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

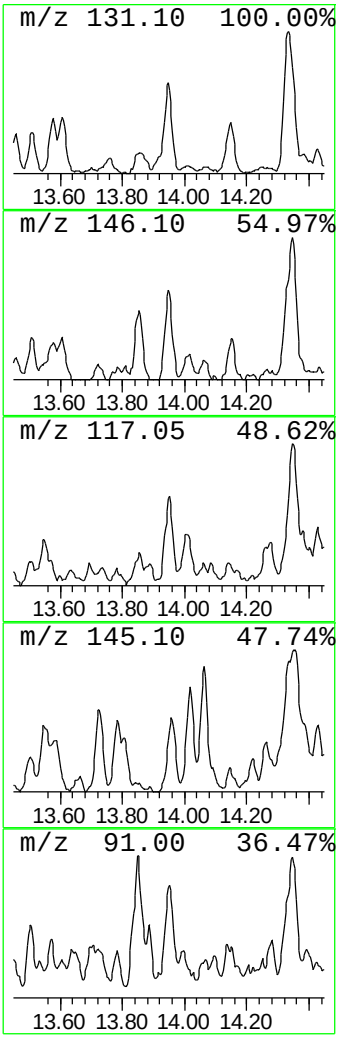
****

Peak Number 7 1H-Indazole, 5,7-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	0.68 ug/L	77936	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indazole, 5,7-dimethyl-	146	C9H10N2	043067-41-0	70
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	58
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	55
5	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	53





Library Search Compound Report

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Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

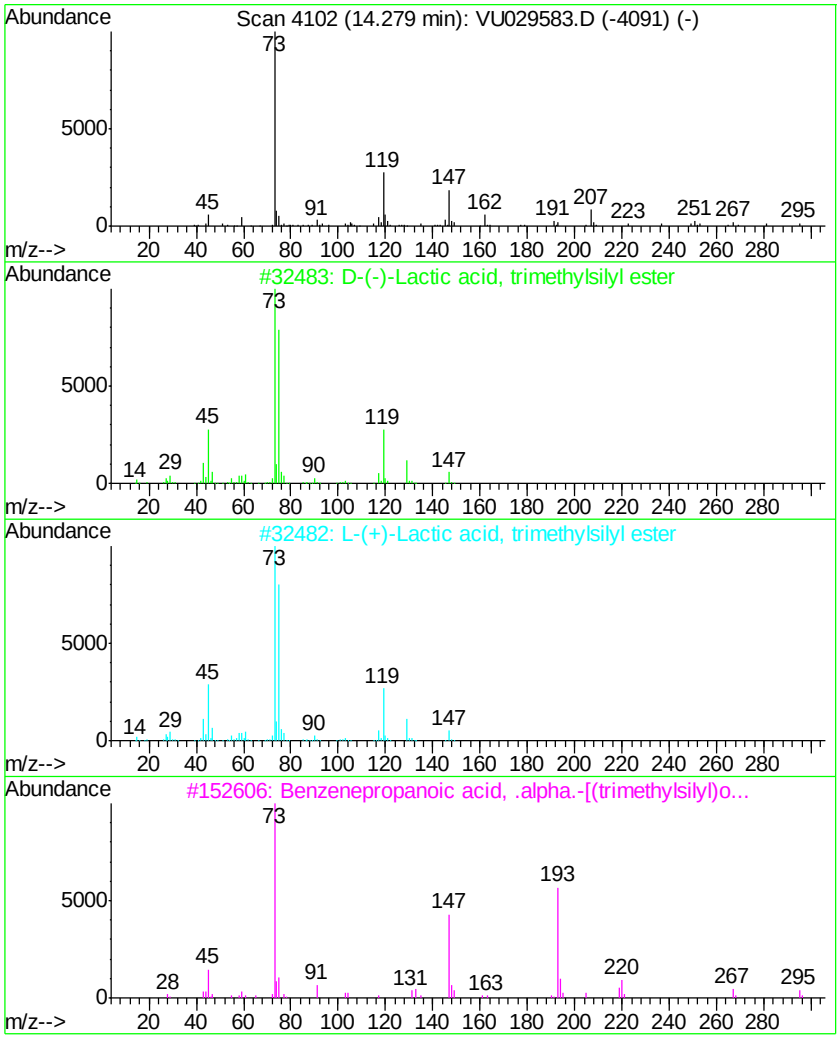
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

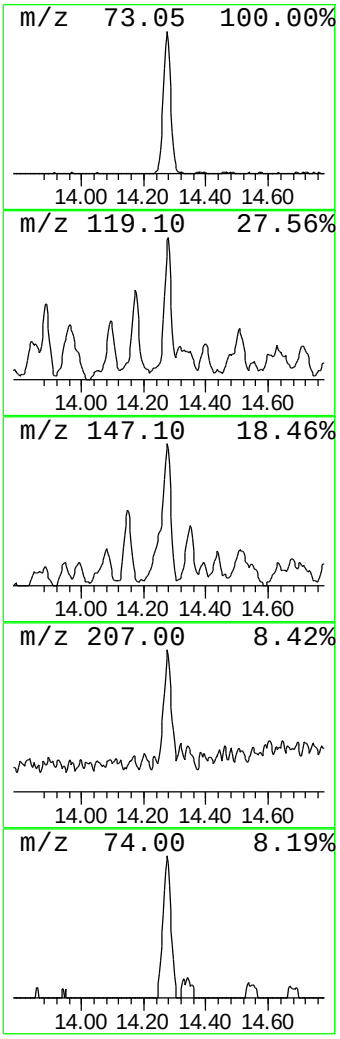
****

Peak Number 8 unknown-02 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.28	0.78 ug/L	89604	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-(-)-Lactic acid, trimethylsilv...	162	C6H14O3Si	1000353-24-6	28
2	L-(+)-Lactic acid, trimethylsilv...	162	C6H14O3Si	1000353-24-4	28
3	Benzenepropanoic acid, .alpha.-[...	310	C15H26O3Si2	027750-45-4	17
4	Benzenepropanoic acid, .alpha.-[...	310	C15H26O3Si2	027750-45-4	17
5	3-Chloro-1,2-propanediol, di(tri...	254	C9H23ClO2Si2	073639-52-8	12





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022019\
Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

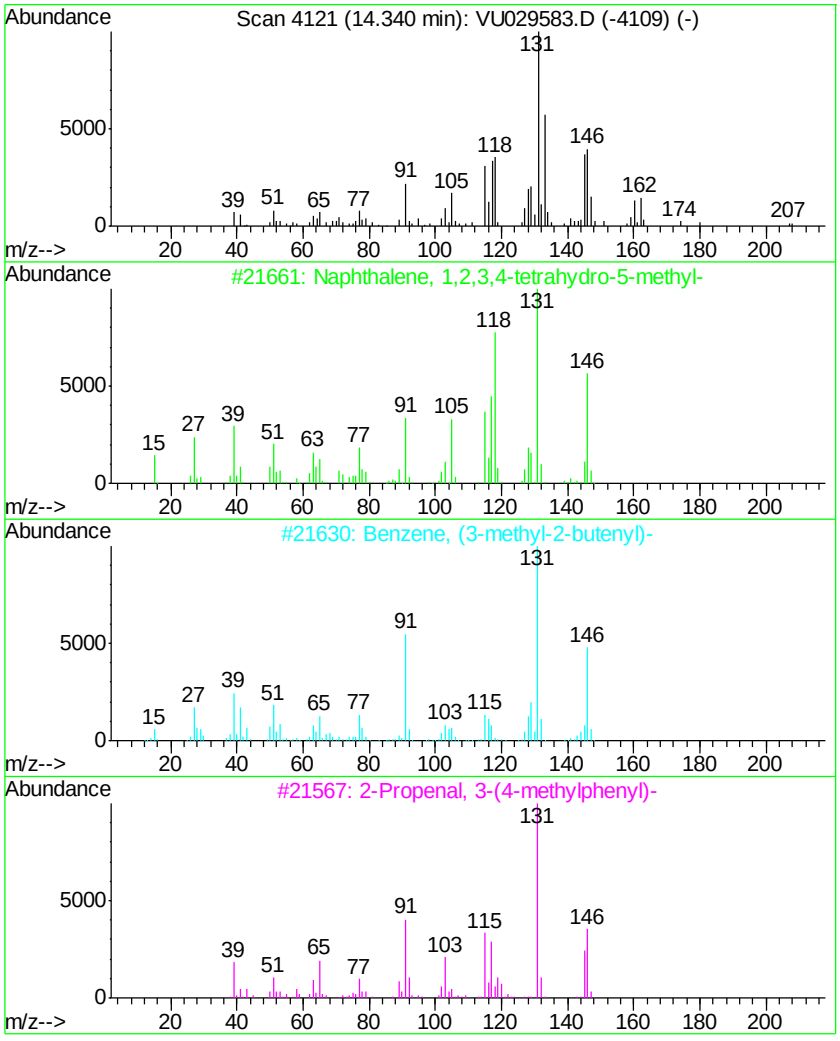
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

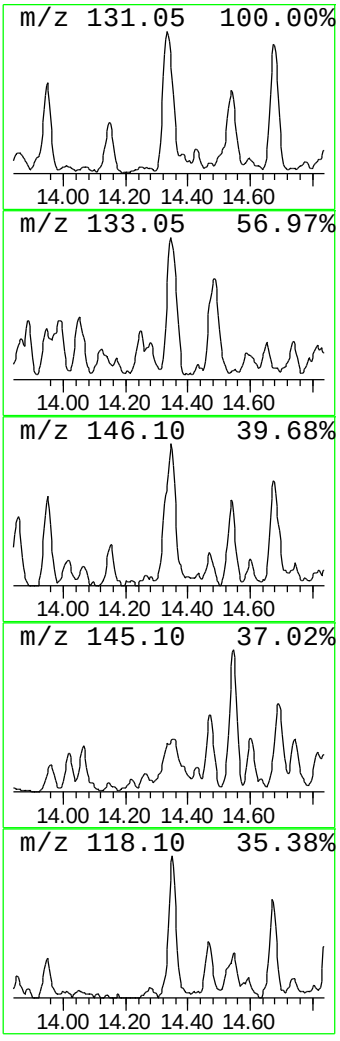
****

Peak Number 9 unknown-03 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.34	1.42 ug/L	163702	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	49
2	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	46
3	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	46
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	45
5	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022019\
Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

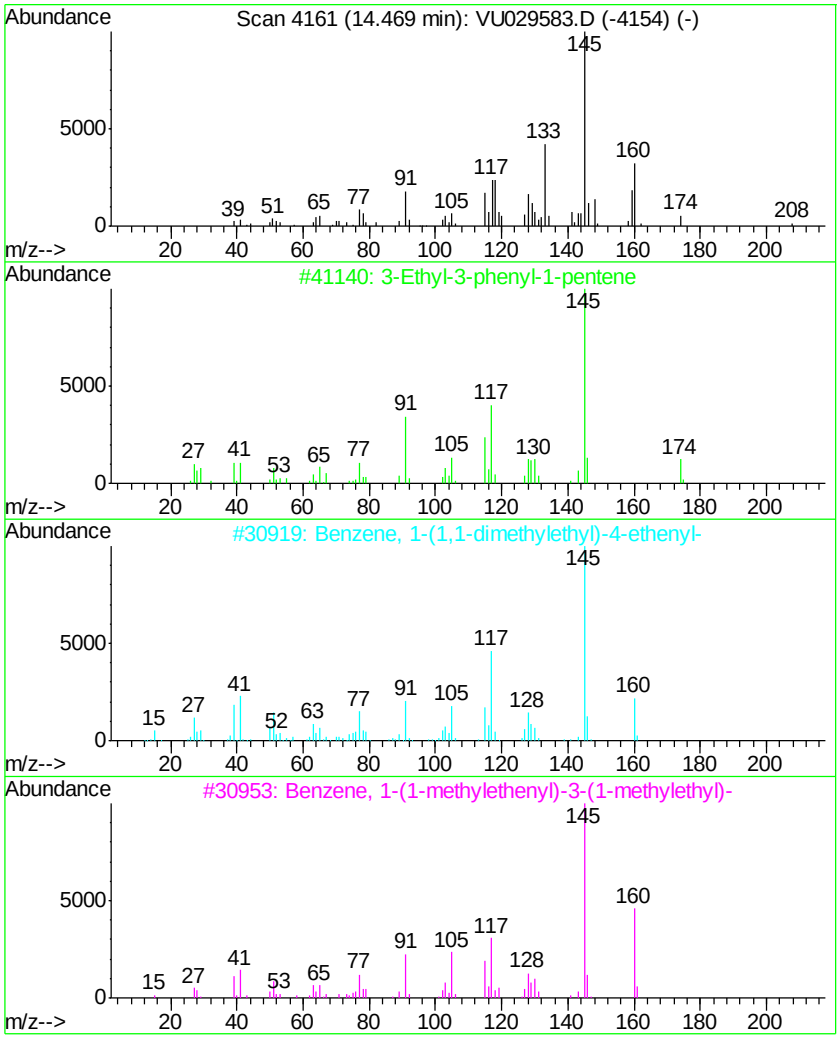
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

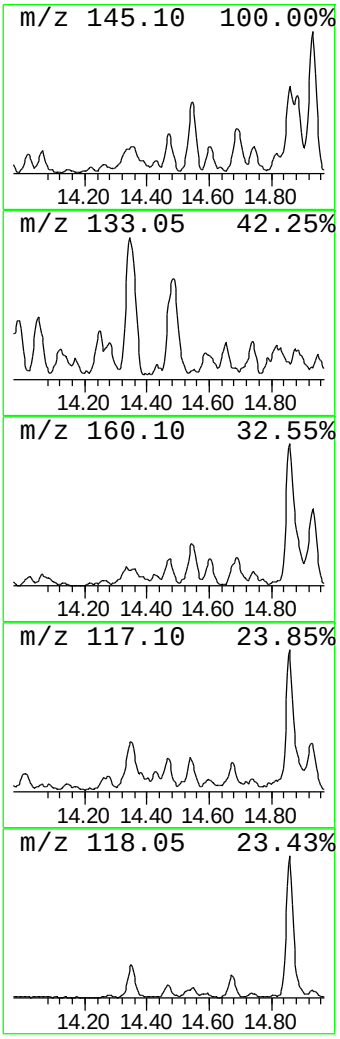
****

Peak Number 10 3-Ethyl-3-phenyl-1-pentene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	0.52 ug/L	59576	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethyl-3-phenyl-1-pentene	174	C13H18	019781-34-1	89
2	Benzene, 1-(1,1-dimethylethyl)-4...	160	C12H16	001746-23-2	60
3	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	60
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	60
5	1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	55





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022019\
Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

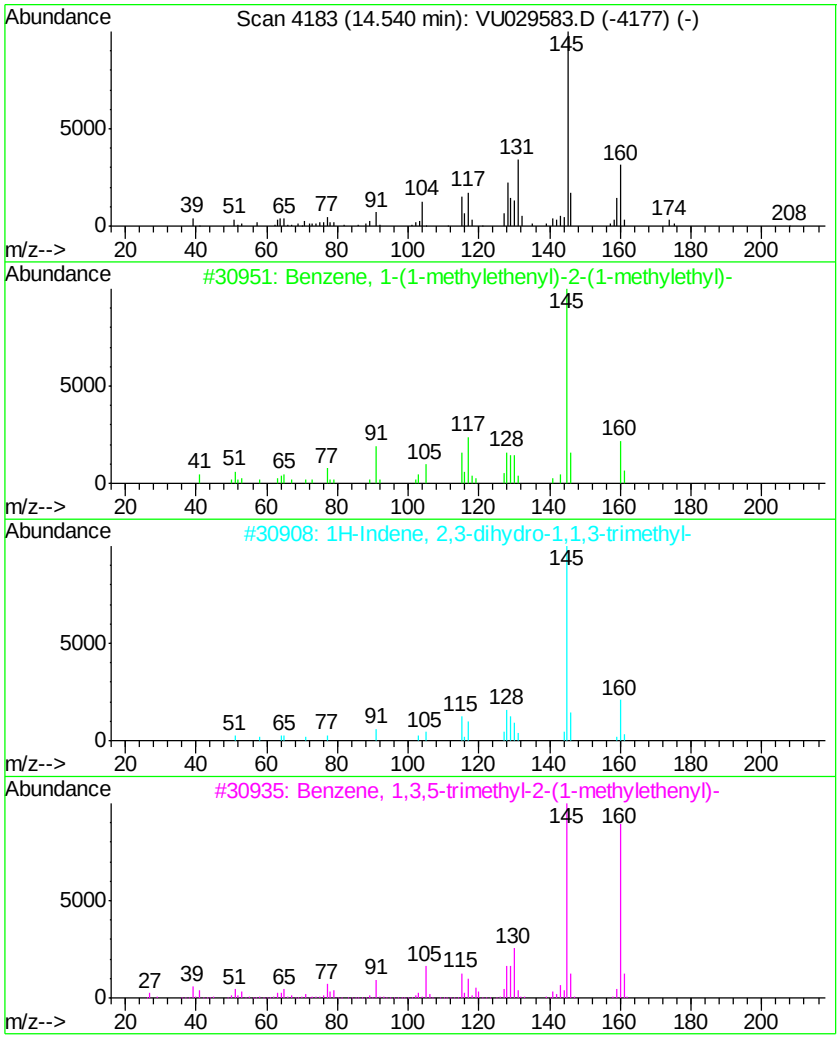
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

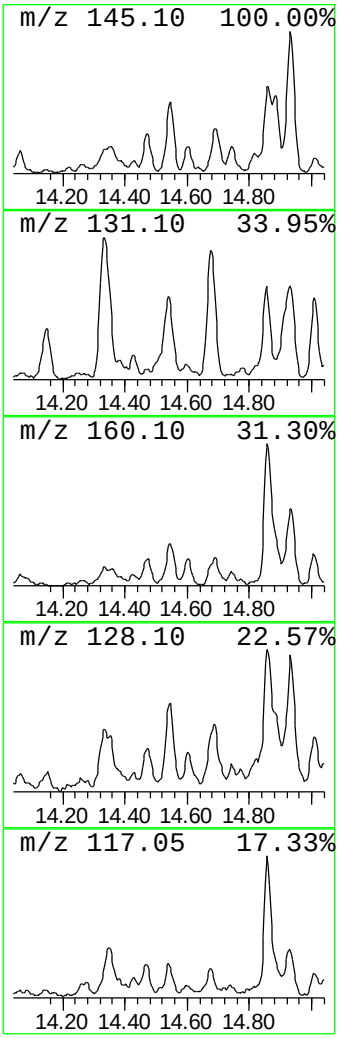
****

Peak Number 11 Benzene, 1-(1-methylethenyl... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	0.96 ug/L	110841	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	89
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	81
3	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	76
4	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	76
5	1H-Indene, 2,3-dihydro-4,5,7-tri...	160	C12H16	006682-06-0	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022019\
Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

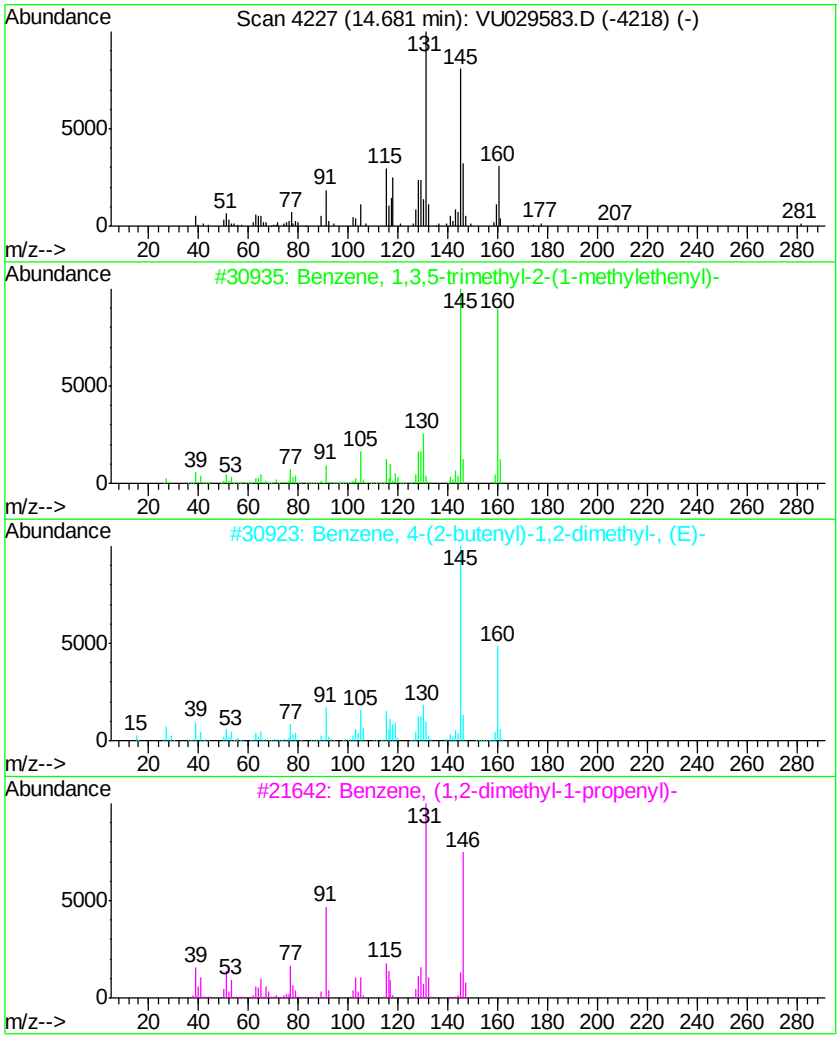
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

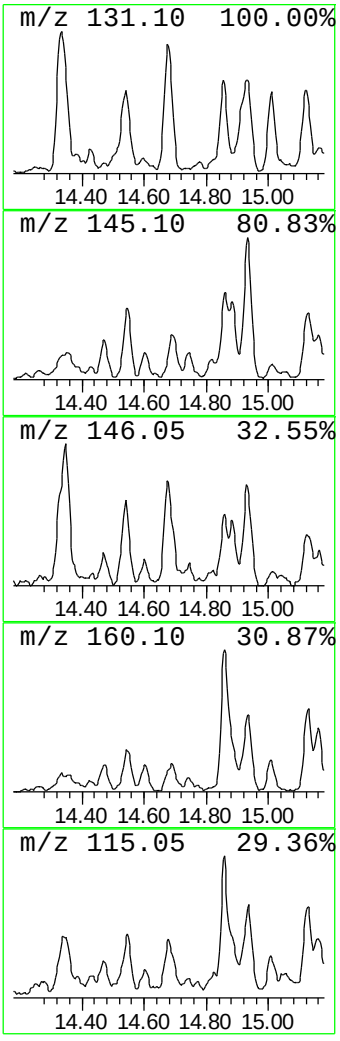
****

Peak Number 12 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	0.83 ug/L	95604	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	55
2	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	53
3	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	50
4	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	49
5	1H-Pyrrolo[2,3-b]pyridine, 2-ethyl-	146	C9H10N2	023612-49-9	43





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Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

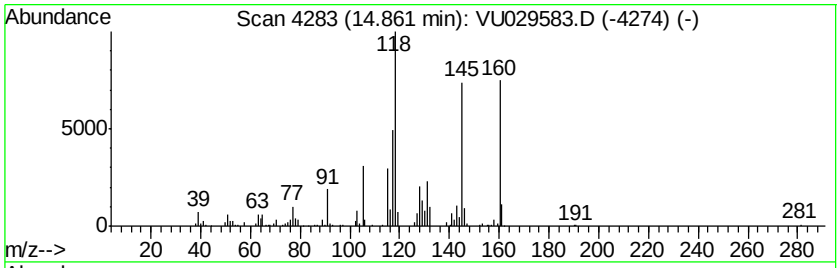
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

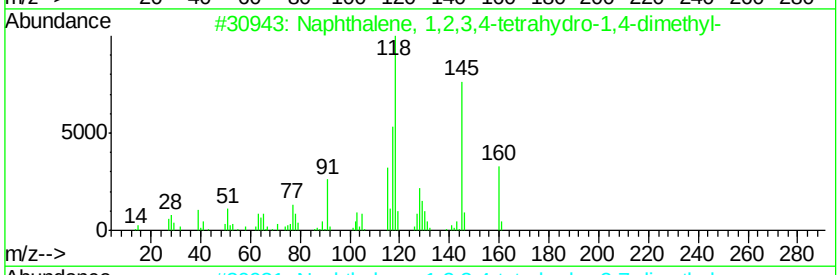
****

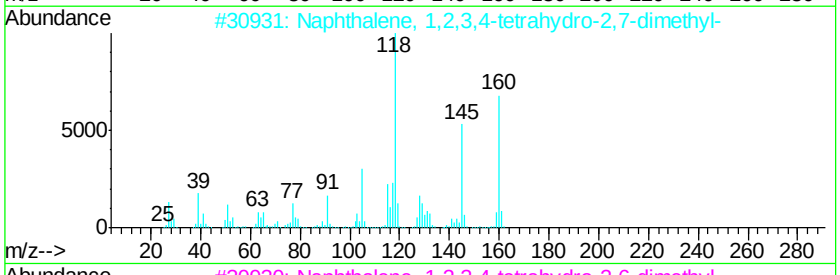
Peak Number 13 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

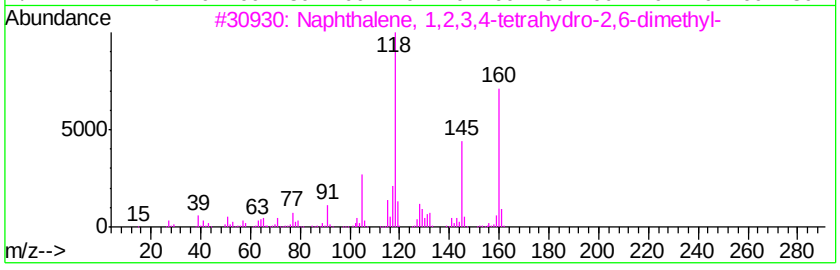
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	2.21 ug/L	254605	1,4-Dichlorobenzene-d4	11.48

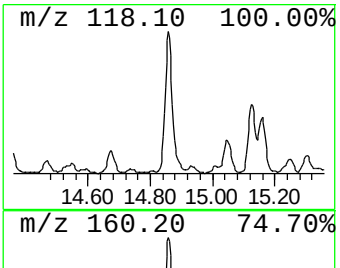
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	90
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	55
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	46

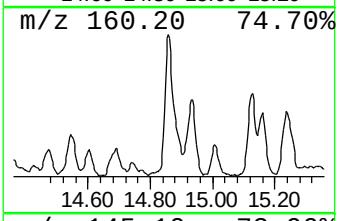


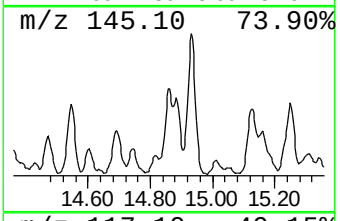


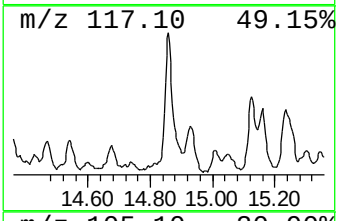


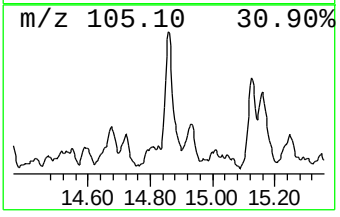












Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022019\
Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

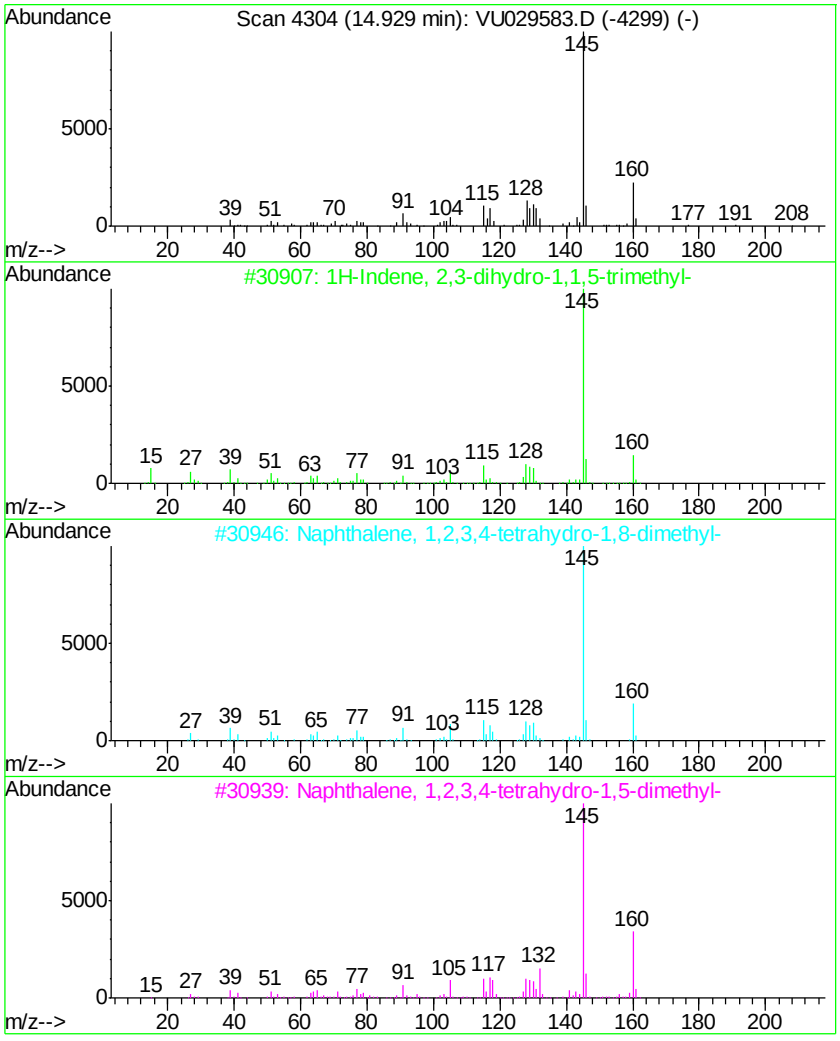
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

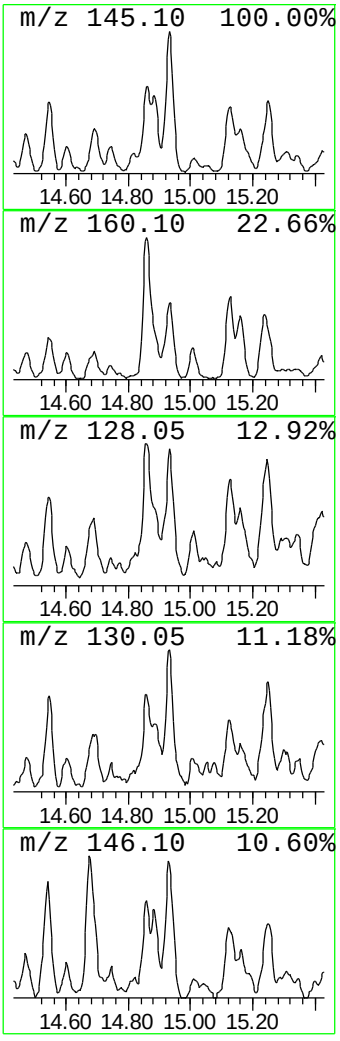
****

Peak Number 14 1H-Indene, 2,3-dihydro-1,1,... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	1.68 ug/L	193098	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	90
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	87
4	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	87
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022019\
Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

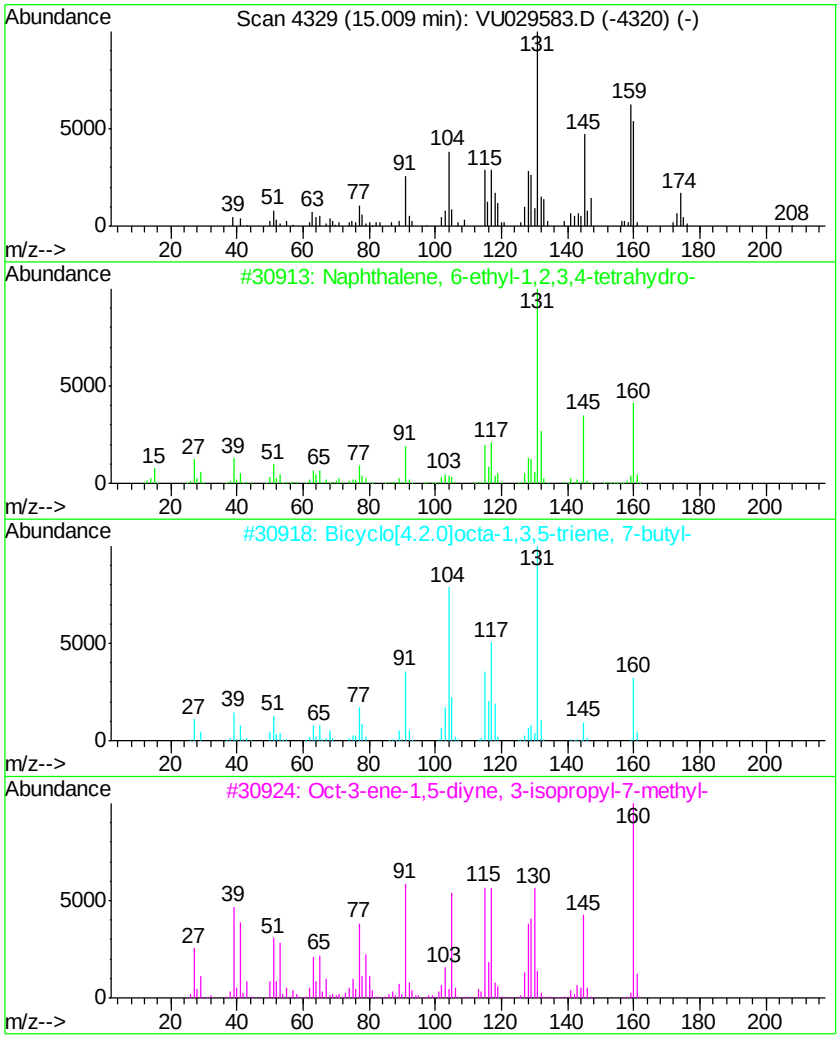
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

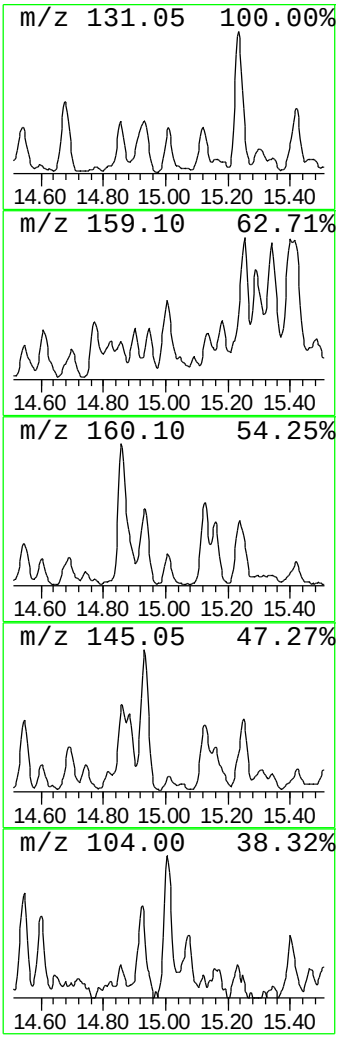
****

Peak Number 15 Naphthalene, 6-ethyl-1,2,3,... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	0.68 ug/L	77905	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 6-ethyl-1,2,3,4-tet...	160	C12H16	022531-20-0	64
2	Bicyclo[4.2.0]octa-1,3,5-triene,...	160	C12H16	078920-29-3	60
3	Oct-3-ene-1,5-diyne, 3-isopropyl...	160	C12H16	1000211-23-1	42
4	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	000475-03-6	42
5	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-51-6	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022019\
Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

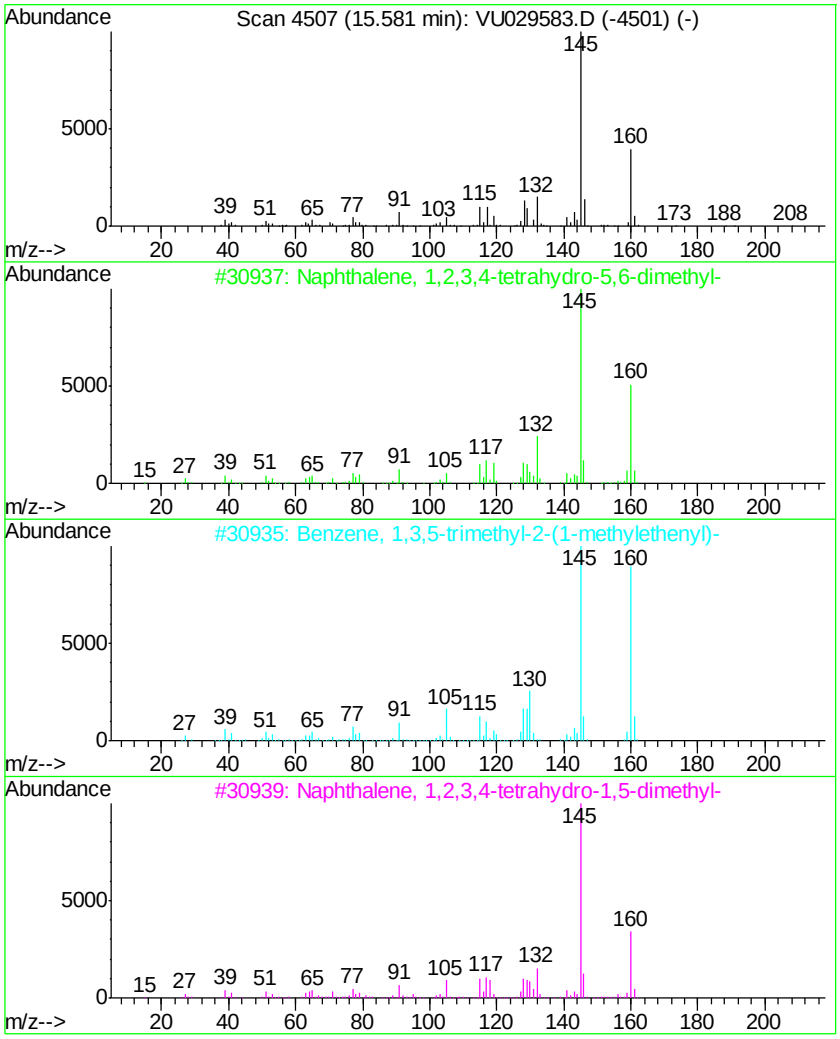
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

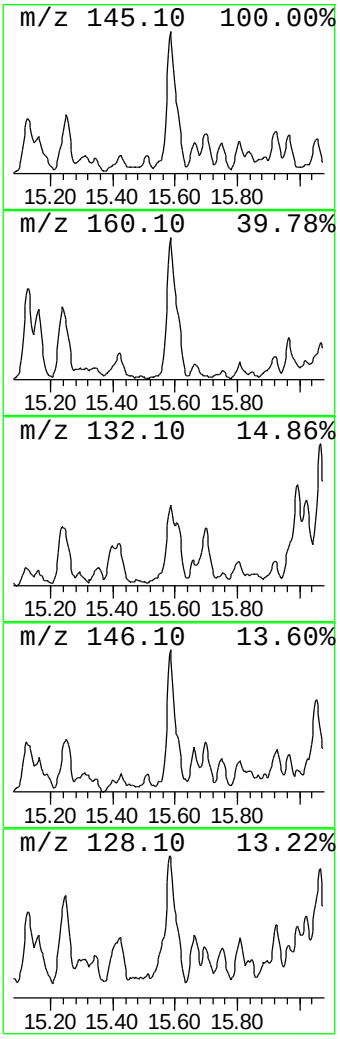
****

Peak Number 19 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.58	2.63 ug/L	301827	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	020027-77-4	94
2	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	93
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	91
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	90
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	90





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Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

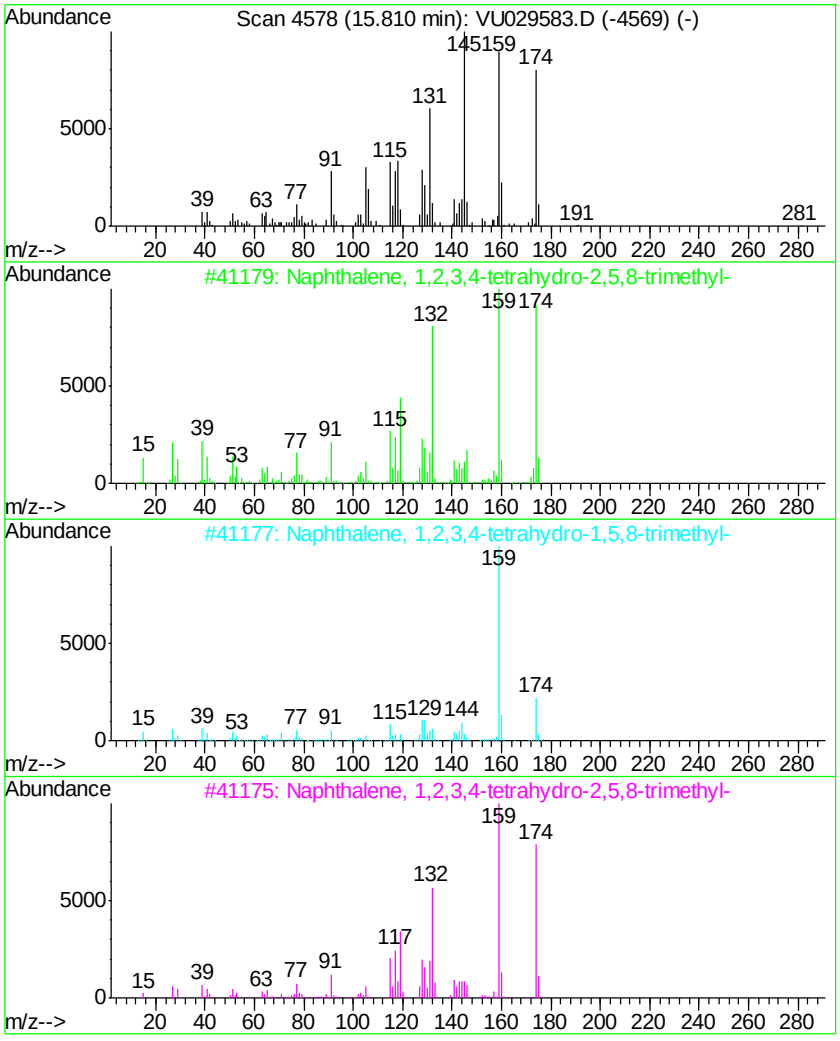
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0

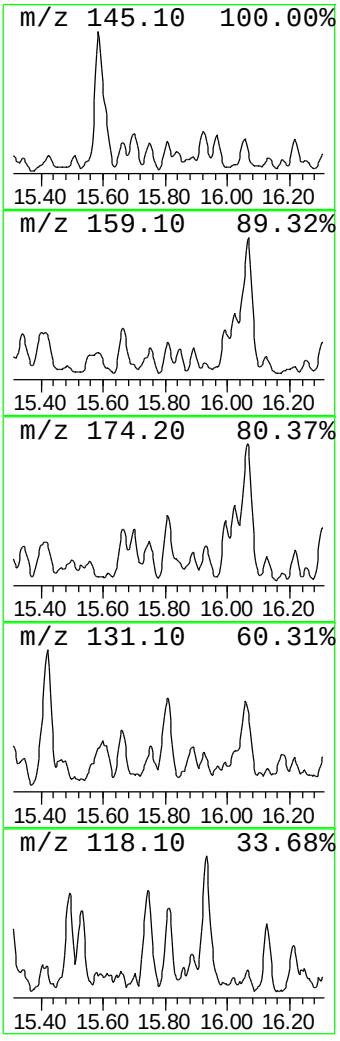
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	0.89 ug/L	102743	1,4-Dichlorobenzene-d4	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-17-7	64
2	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	021693-51-6	53
3	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-17-7	53
4	Benzimidazole, 4,5,6,7-tetramethyl-	174	C11H14N2	106148-67-8	50
5	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	030316-17-7	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU022019\
Data File : VU029583.D
Acq On : 20 Feb 2019 16:13
Operator : JC/SP
Sample : K1488-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : ESXE7

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.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...	1.18	17.8	ug/L	1561410	1	5.88	438778	5.0
(DEL) Alkane: Str...	1.30	2.4	ug/L	207525	1	5.88	438778	5.0
(DEL) Alkane: Str...	1.76	0.8	ug/L	69682	1	5.88	438778	5.0
unknown-01	12.48	1.1	ug/L	129675	3	11.48	574841	5.0
1H-Indazole, 5,7-...	13.95	0.7	ug/L	77936	3	11.48	574841	5.0
unknown-02	14.28	0.8	ug/L	89604	3	11.48	574841	5.0
unknown-03	14.34	1.4	ug/L	163702	3	11.48	574841	5.0
3-Ethyl-3-phenyl-...	14.47	0.5	ug/L	59576	3	11.48	574841	5.0
Benzene, 1-(1-met...	14.54	1.0	ug/L	110841	3	11.48	574841	5.0
Benzene, 1,3,5-tr...	14.68	0.8	ug/L	95604	3	11.48	574841	5.0
Naphthalene, 1,2,...	14.86	2.2	ug/L	254605	3	11.48	574841	5.0
1H-Indene, 2,3-di...	14.93	1.7	ug/L	193098	3	11.48	574841	5.0
Naphthalene, 6-et...	15.01	0.7	ug/L	77905	3	11.48	574841	5.0
Naphthalene, 1,2,...	15.58	2.6	ug/L	301827	3	11.48	574841	5.0
Naphthalene, 1,2,...	15.81	0.9	ug/L	102743	3	11.48	574841	5.0