LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
Data File : VY000279.D
Acq On : 11 Oct 2019 18:35
Operator : SY/MD
Sample : K5266-07
Misc : 5.04G/5ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190856-AMENDED-COMP-C

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.249	74	84	96	rBV	430330	709727	9.33%	2.509%
2	2.390	101	107	116	rVB	59944	102410	1.35%	0.362%
3	2.908	184	192	202	rVB	42639	94228	1.24%	0.333%
4	3.877	336	351	358	rBV2	100857	276052	3.63%	0.976%
5	3.956	358	364	369	rVV	60086	157733	2.07%	0.558%
6	4.036	369	377	395	rVV	425451	1131425	14.87%	4.000%
7	4.725	474	490	496	rBV	109199	429784	5.65%	1.519%
8	5.243	562	575	594	rBV3	72662	266213	3.50%	0.941%
9	5.761	647	660	674	rBV2	45669	144607	1.90%	0.511%
10	6.029	691	704	722	rBV2	151287	479770	6.31%	1.696%
11	6.797	822	830	847	rVB2	57956	179427	2.36%	0.634%
12	6.999	849	863	888	rBV	2769005	7606631	100.00%	26.891%
13	7.730	971	983	987	rBV3	91282	239309	3.15%	0.846%
14	7.797	987	994	1002	rVV3	322254	843729	11.09%	2.983%
15	7.883	1002	1008	1018	rVV2	52384	132503	1.74%	0.468%
16	8.004	1020	1028	1033	rBV2	70024	167881	2.21%	0.593%
17	8.065	1033	1038	1045	rVV2	66075	169403	2.23%	0.599%
18	8.151	1045	1052	1062	rVV2	178466	414018	5.44%	1.464%
19	8.285	1062	1074	1080	rVV4	139509	376746	4.95%	1.332%
20	8.358	1080	1086	1091	rVV2	123661	285958	3.76%	1.011%
21	8.425	1091	1097	1109	rVV3	225928	516941	6.80%	1.827%
22	8.699	1132	1142	1150	rBV	438231	858306	11.28%	3.034%
23	8.931	1171	1180	1189	rBV	448609	987875	12.99%	3.492%
24	9.187	1208	1222	1231	rBV2	965348	2246054	29.53%	7.940%
25	9.376	1246	1253	1260	rBV2	100748	194022	2.55%	0.686%
26	9.468	1260	1268	1275	rVB2	45562	88917	1.17%	0.314%
27	9.614	1285	1292	1301	rVB3	61403	124315	1.63%	0.439%
28	9.943	1338	1346	1351	rBV3	44618	94367	1.24%	0.334%
29	10.181	1378	1385	1402	rBV	776175	1500672	19.73%	5.305%
30	10.352	1407	1413	1423	rVB2	101663	251961	3.31%	0.891%
31	10.522	1435	1441	1448	rVB2	158187	279643	3.68%	0.989%
32	10.620	1448	1457	1463	rVB4	87644	186454	2.45%	0.659%
33	10.717	1463	1473	1479	rBV	247102	428965	5.64%	1.516%
34	10.864	1485	1497	1504	rBV7	29191	113984	1.50%	0.403%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
Data File : VY000279.D
Acq On : 11 Oct 2019 18:35
Operator : SY/MD
Sample : K5266-07
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190856-AMENDED-COMP-C

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Title : SW846 8260

35	11.041	1522	1526	1531	rVV	105883	184204	2.42%	0.651%
36	11.364	1576	1579	1593	rVB8	41122	121438	1.60%	0.429%
37	11.492	1593	1600	1609	rBV2	632383	1208941	15.89%	4.274%
38	11.583	1609	1615	1622	rVB2	141060	262766	3.45%	0.929%
39	11.736	1636	1640	1652	rVB4	76553	160116	2.10%	0.566%
40	12.205	1706	1717	1727	rBV5	50325	133921	1.76%	0.473%
41	12.327	1732	1737	1743	rVB	81478	129603	1.70%	0.458%
42	12.479	1756	1762	1770	rVB	476083	789833	10.38%	2.792%
43	12.760	1798	1808	1813	rBV7	29656	92144	1.21%	0.326%
44	12.851	1819	1823	1829	rVB	80012	126533	1.66%	0.447%
45	12.973	1837	1843	1850	rBV	64953	101910	1.34%	0.360%
46	13.071	1855	1859	1864	rVV	85890	147564	1.94%	0.522%
47	13.119	1864	1867	1872	rVB	53541	77429	1.02%	0.274%
48	13.254	1881	1889	1893	rBV2	122608	241787	3.18%	0.855%
49	13.424	1911	1917	1928	rVB	613157	1024878	13.47%	3.623%
50	13.741	1964	1969	1976	rVB	130918	237466	3.12%	0.839%
51	13.918	1995	1998	2002	rVB	58076	76411	1.00%	0.270%
52	13.967	2002	2006	2011	rBV2	56312	83022	1.09%	0.293%
53	14.077	2019	2024	2030	rBV	174780	297227	3.91%	1.051%
54	14.217	2041	2047	2051	rBV2	64524	111375	1.46%	0.394%
55	14.680	2117	2123	2130	rVB5	77140	172161	2.26%	0.609%
56	14.942	2159	2166	2169	rBV2	43687	82716	1.09%	0.292%
57	15.052	2179	2184	2194	rVB	80117	190877	2.51%	0.675%
58	16.491	2413	2420	2428	rBV2	67293	152789	2.01%	0.540%

Sum of corrected areas: 28287141

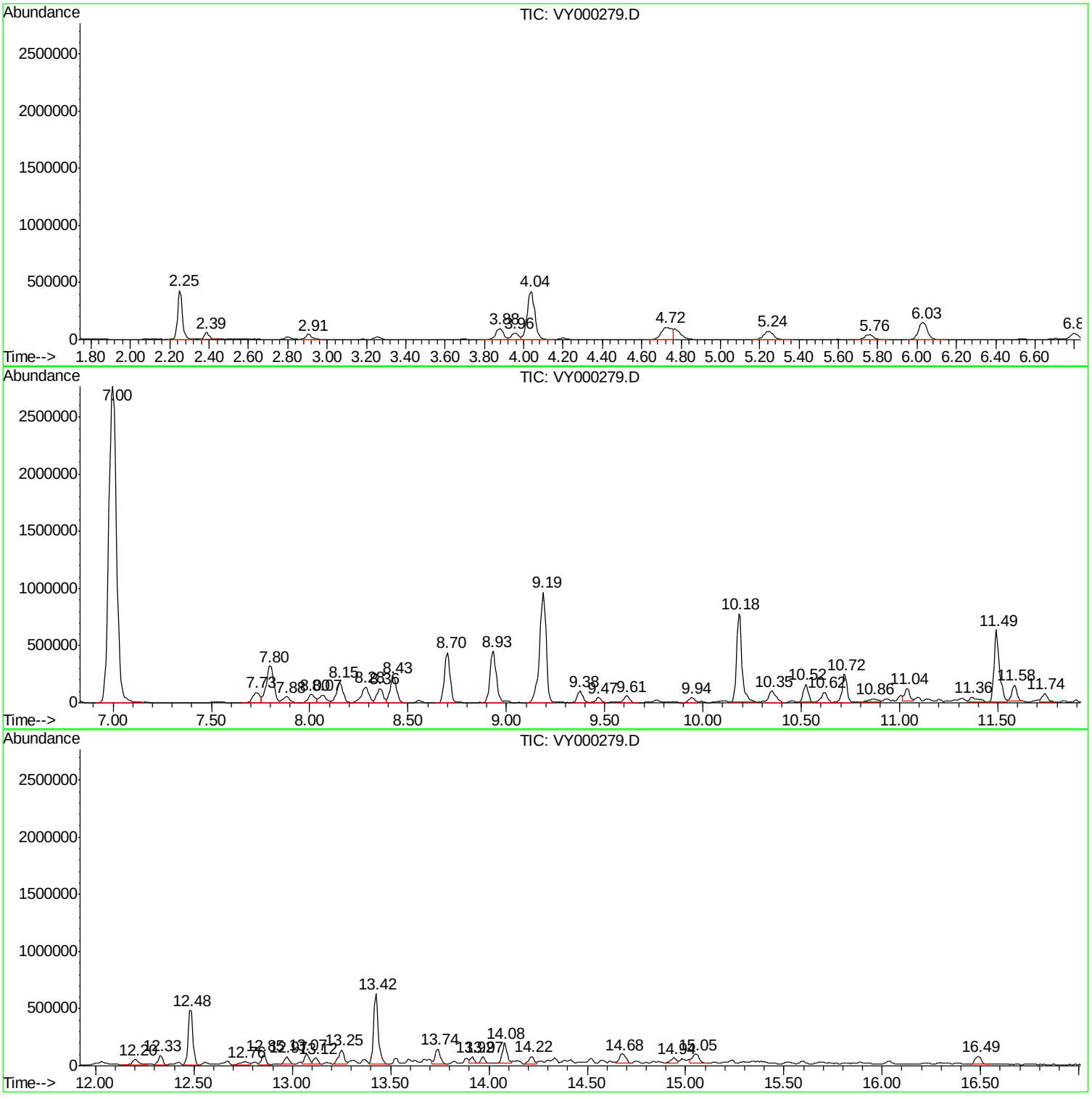
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101119\
Data File : VY000279.D
Acq On : 11 Oct 2019 18:35
Operator : SY/MD
Sample : K5266-07
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20190856-AMENDED-COMP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101119\
Data File : VY000279.D
Acq On : 11 Oct 2019 18:35
Operator : SY/MD
Sample : K5266-07
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190856-AMENDED-COMP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

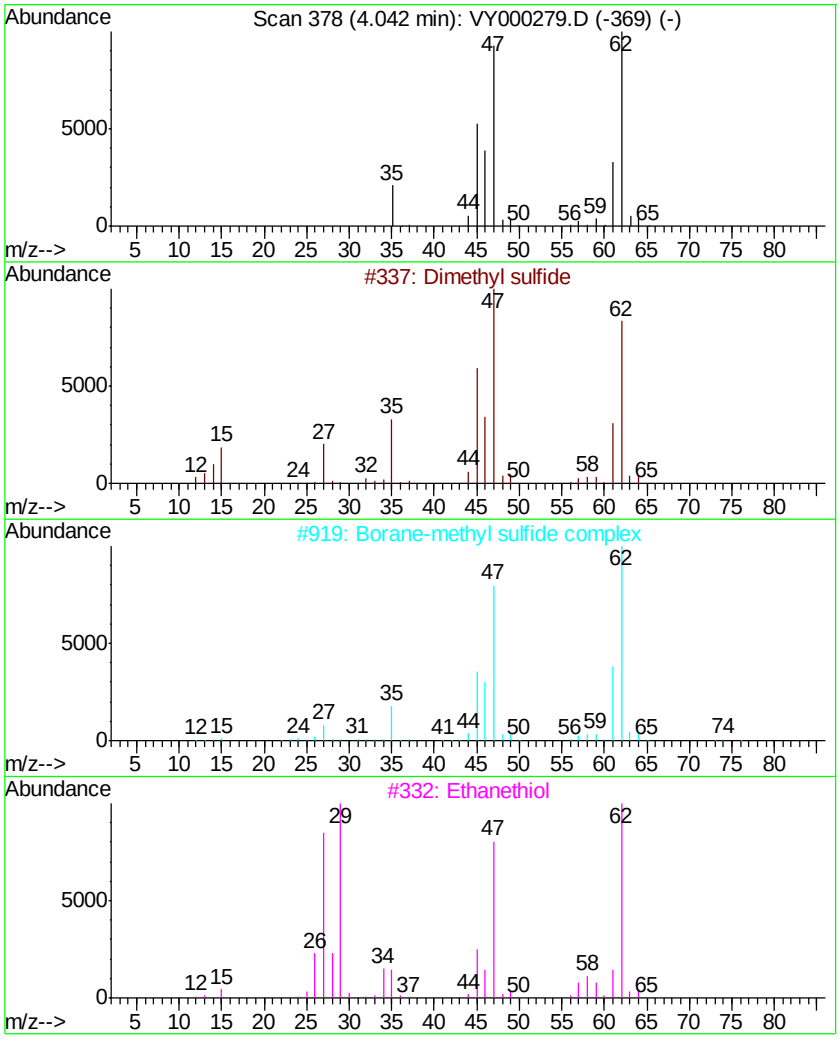
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

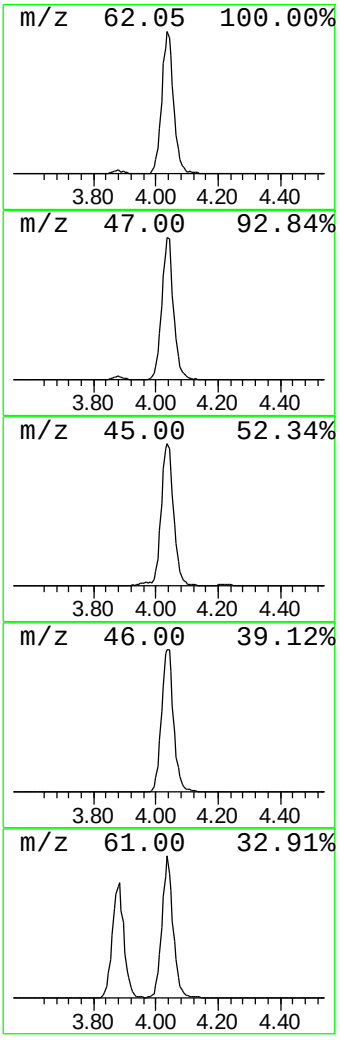
****

Peak Number 1 Dimethyl sulfide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.04	67.05 ug/l	1131430	Pentafluorobenzene	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dimethyl sulfide	62	C2H6S	000075-18-3	95
2	Borane-methyl sulfide complex	76	C2H9BS	013292-87-0	90
3	Ethanethiol	62	C2H6S	000075-08-1	86
4	Ethene, chloro-	62	C2H3Cl	000075-01-4	9
5	Propane, 2-fluoro-	62	C3H7F	000420-26-8	7





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101119\
Data File : VY000279.D
Acq On : 11 Oct 2019 18:35
Operator : SY/MD
Sample : K5266-07
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190856-AMENDED-COMP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

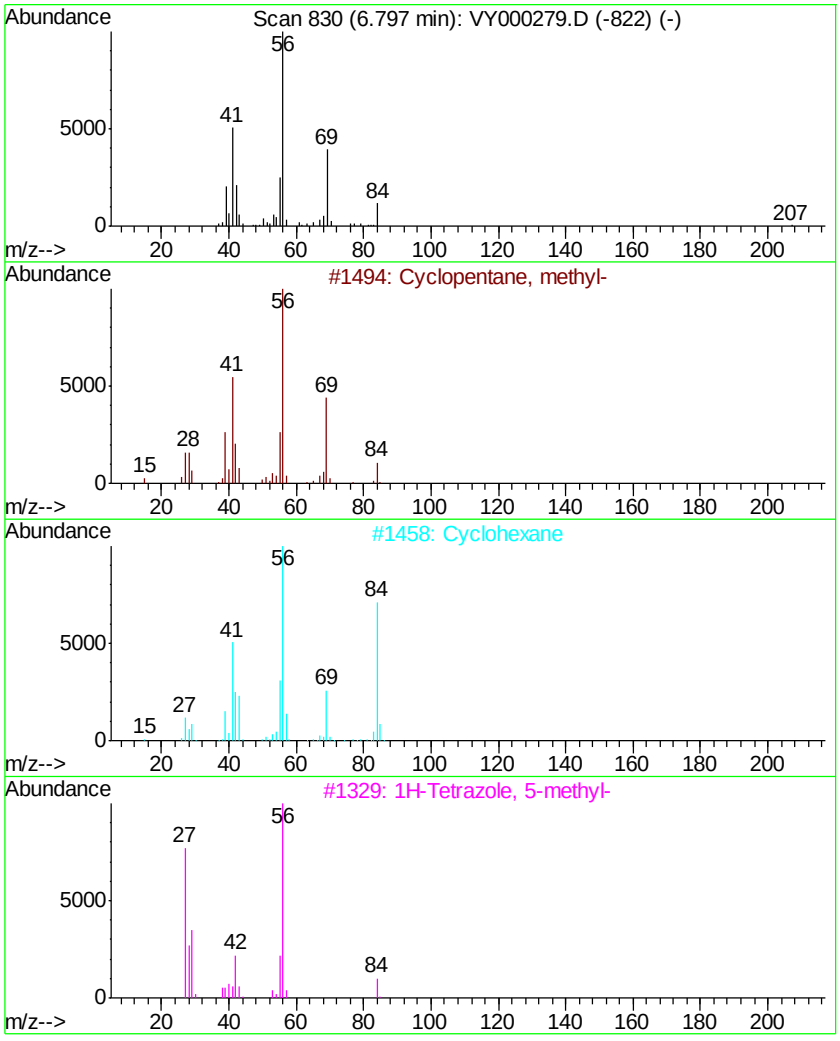
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

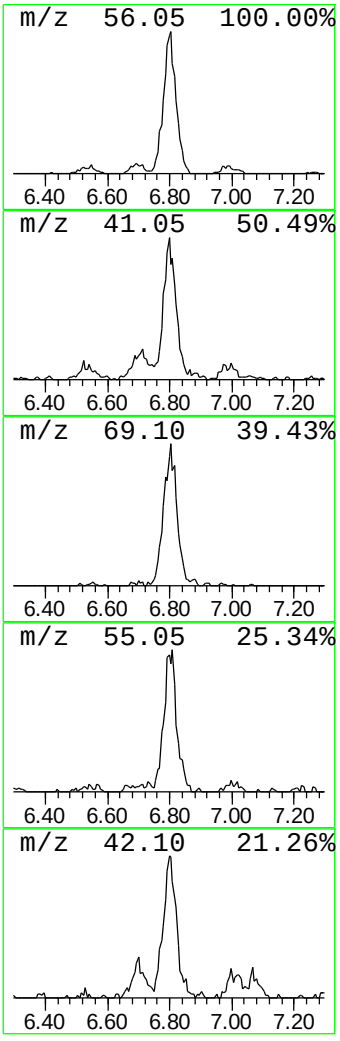
****

Peak Number 2 Cyclopentane, methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	10.63 ug/l	179427	Pentafluorobenzene	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclohexane	84	C6H12	000110-82-7	78
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	64
4	Aziridine, 1-(2-buten-2-yl)-	97	C6H11N	1000158-95-2	45
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101119\
Data File : VY000279.D
Acq On : 11 Oct 2019 18:35
Operator : SY/MD
Sample : K5266-07
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190856-AMENDED-COMP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

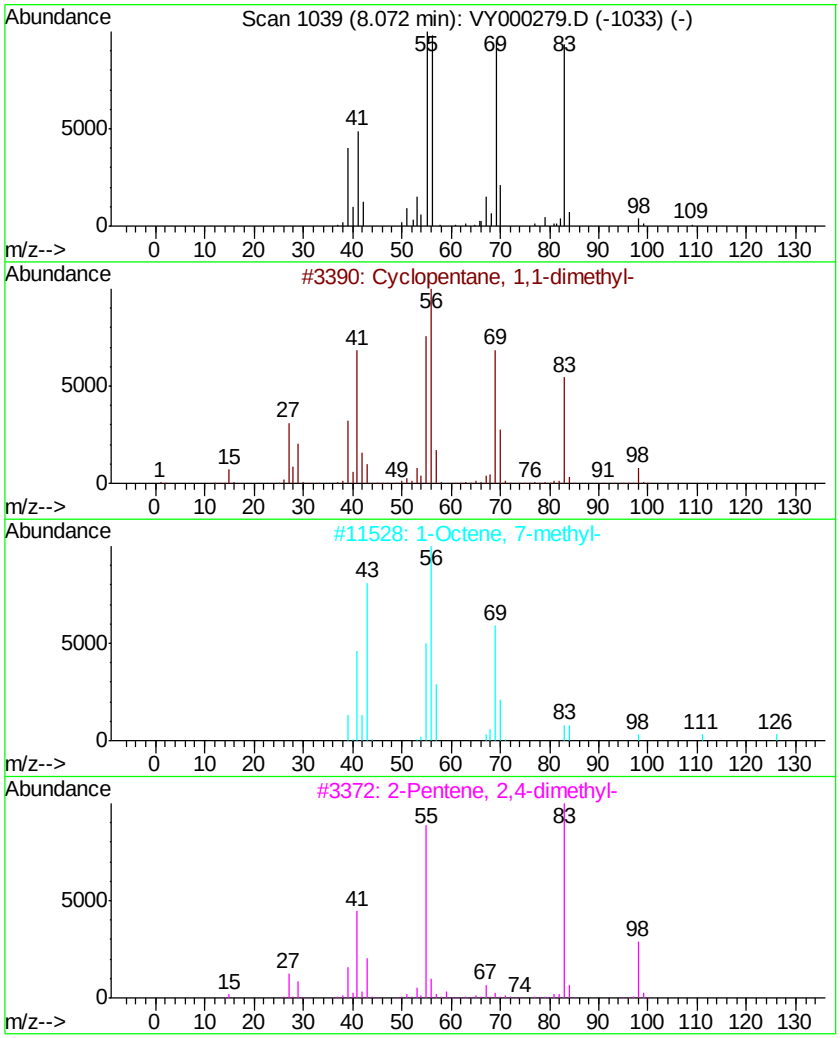
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

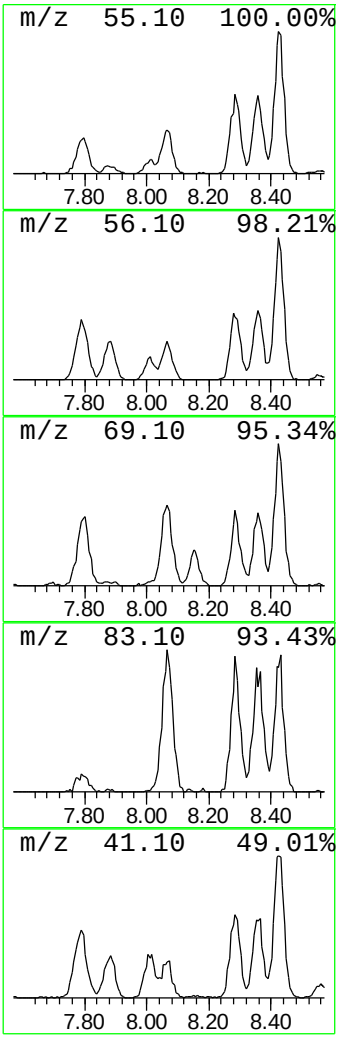
****

Peak Number 3 Cyclopentane, 1,1-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.07	10.04 ug/l	169403	Pentafluorobenzene	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	64
2	1-Octene, 7-methyl-	126	C9H18	013151-06-9	42
3	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	27
4	2-Pentene, 4,4-dimethyl-, (Z)-	98	C7H14	000762-63-0	27
5	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101119\
Data File : VY000279.D
Acq On : 11 Oct 2019 18:35
Operator : SY/MD
Sample : K5266-07
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190856-AMENDED-COMP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

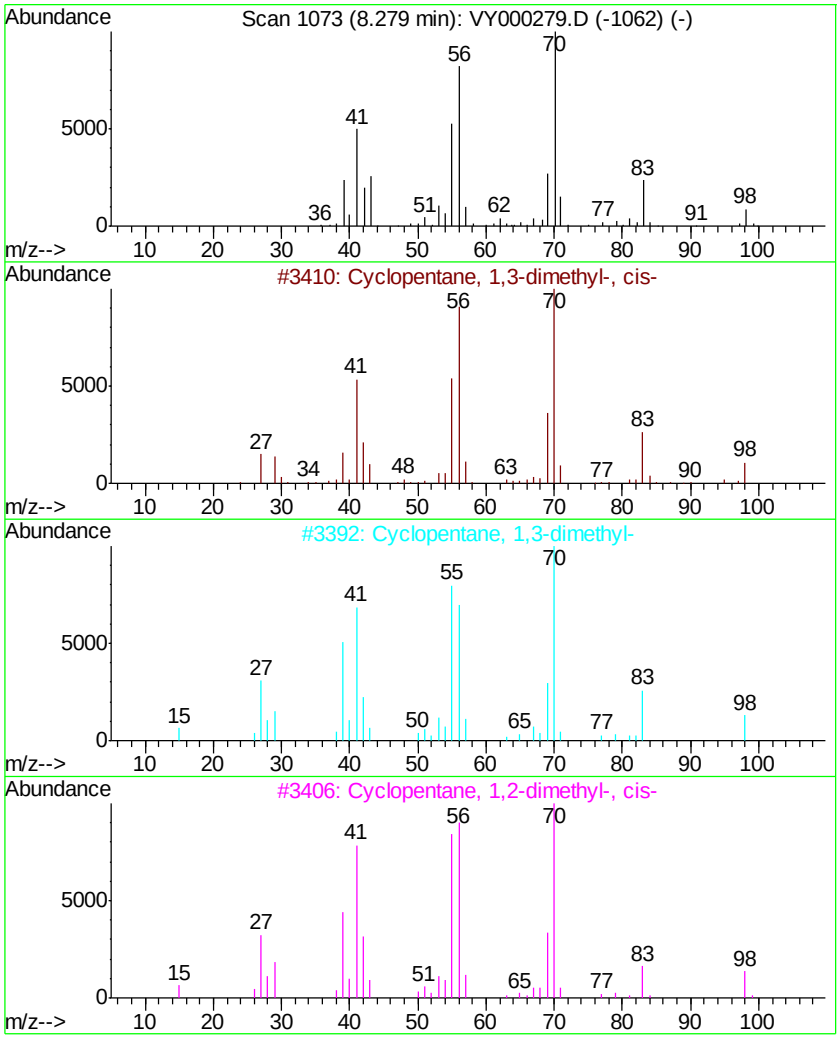
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

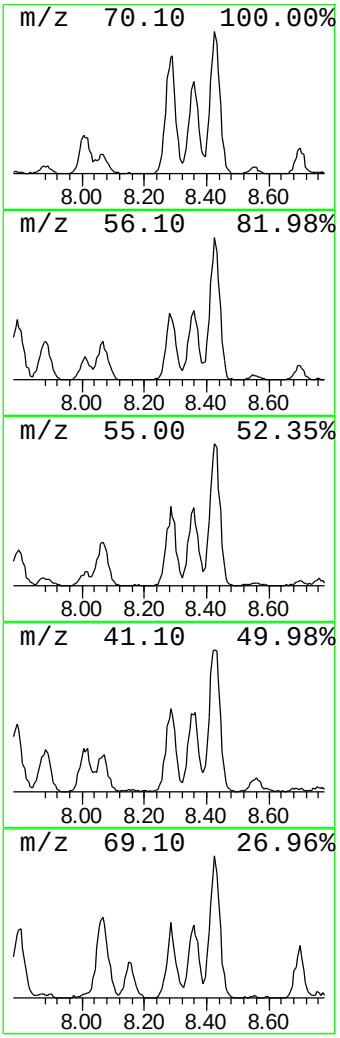
****

Peak Number 4 Cyclopentane, 1,3-dimethyl-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	21.95 ug/l	376746	1,4-Difluorobenzene	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	83
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	70
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	62
5	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	52





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Data File : VY000279.D
Acq On : 11 Oct 2019 18:35
Operator : SY/MD
Sample : K5266-07
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190856-AMENDED-COMP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

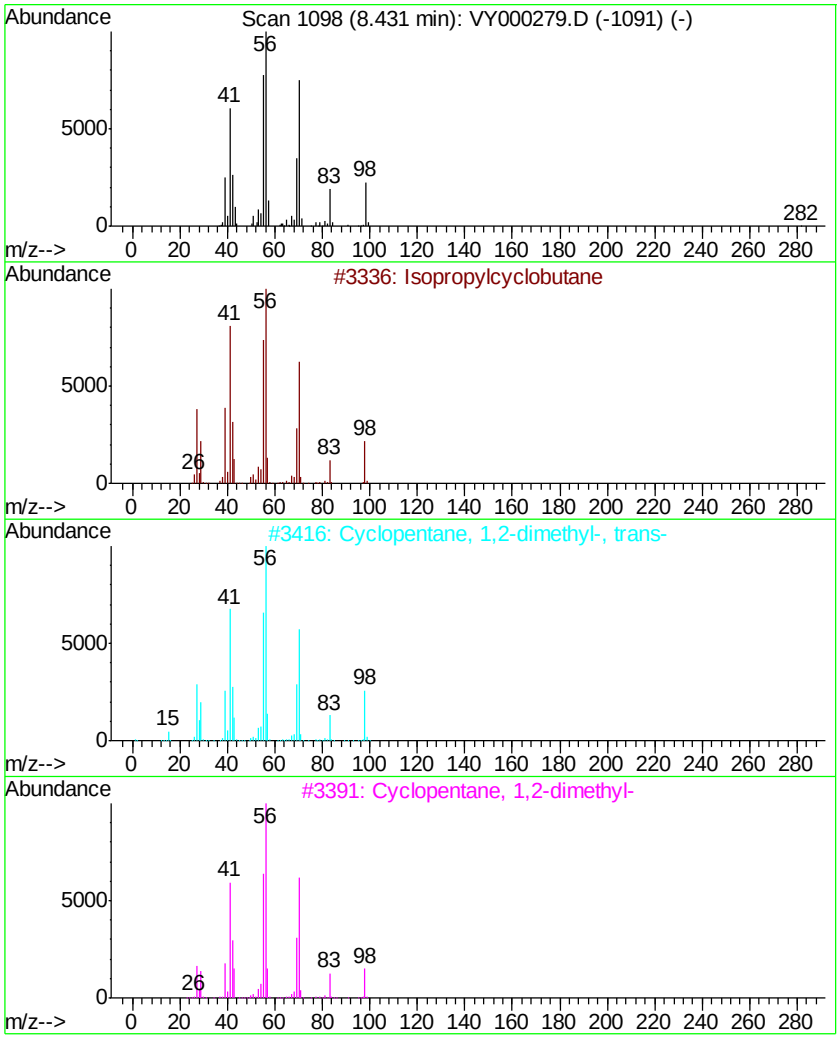
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

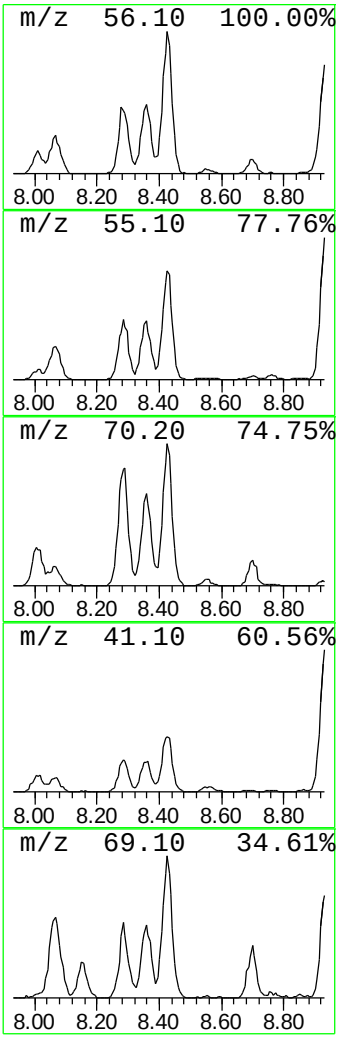
****

Peak Number 6 Isopropylcyclobutane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	30.11 ug/l	516941	1,4-Difluorobenzene	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	90
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	90
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	90
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	78
5	1-Heptene	98	C7H14	000592-76-7	76





Library Search Compound Report

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Sample : K5266-07
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190856-AMENDED-COMP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

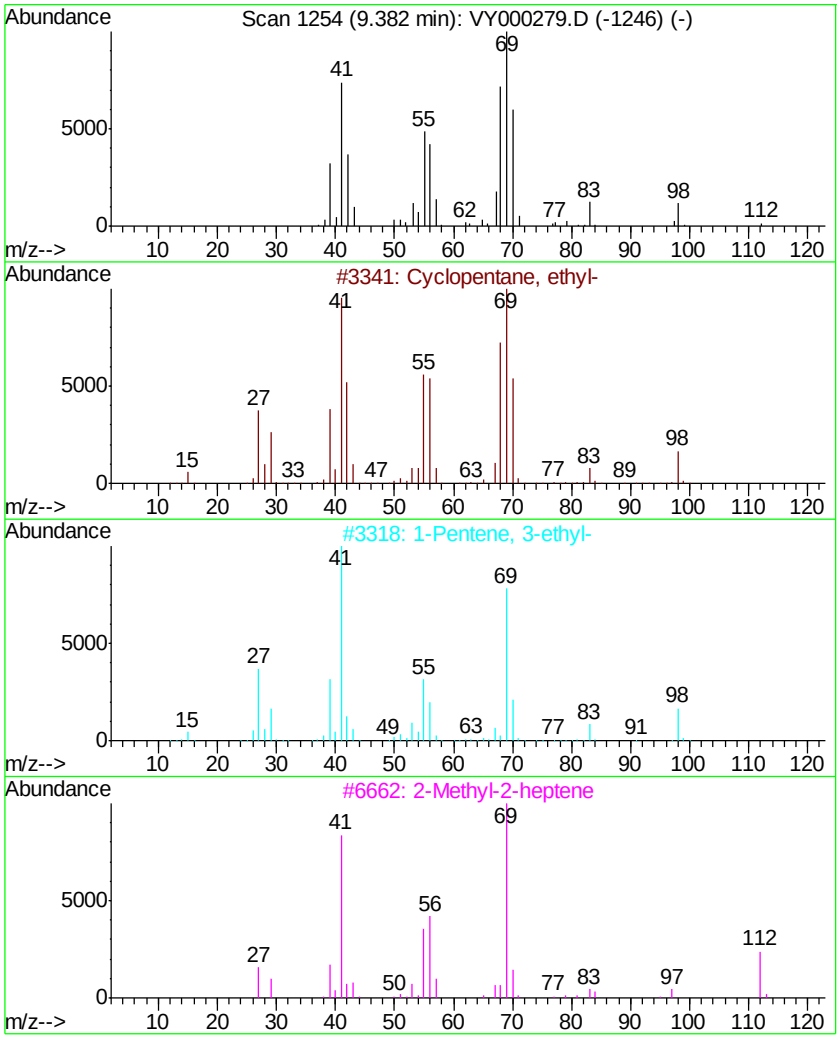
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

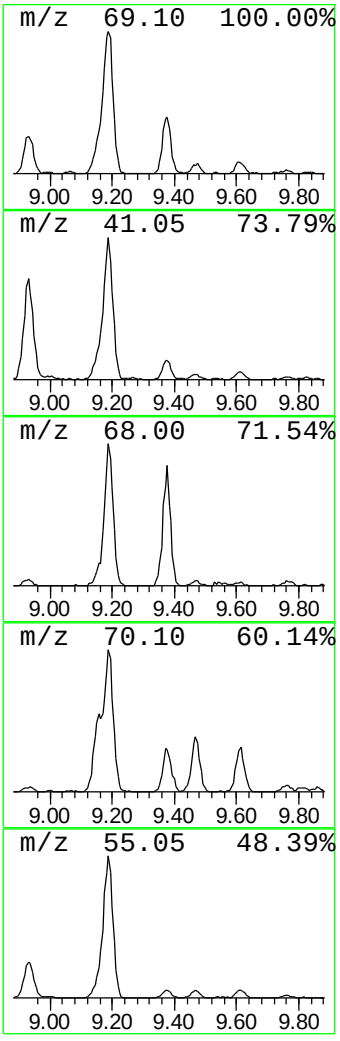
****

Peak Number 7 Cyclopentane, ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	11.30 ug/l	194022	1,4-Difluorobenzene	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	94
2	1-Pentene, 3-ethyl-	98	C7H14	004038-04-4	38
3	2-Methyl-2-heptene	112	C8H16	000627-97-4	38
4	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	38
5	3-Hexene, 2,5-dimethyl-, (E)-	112	C8H16	000692-70-6	38





Library Search Compound Report

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Data File : VY000279.D
Acq On : 11 Oct 2019 18:35
Operator : SY/MD
Sample : K5266-07
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190856-AMENDED-COMP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

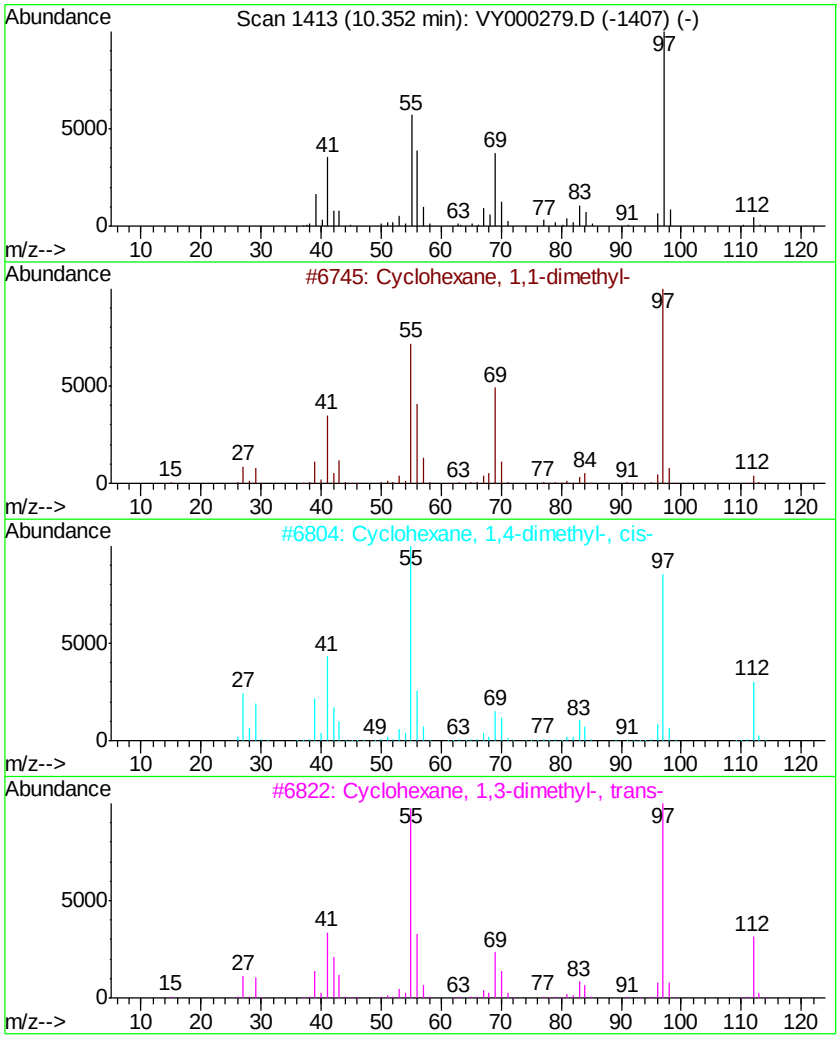
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

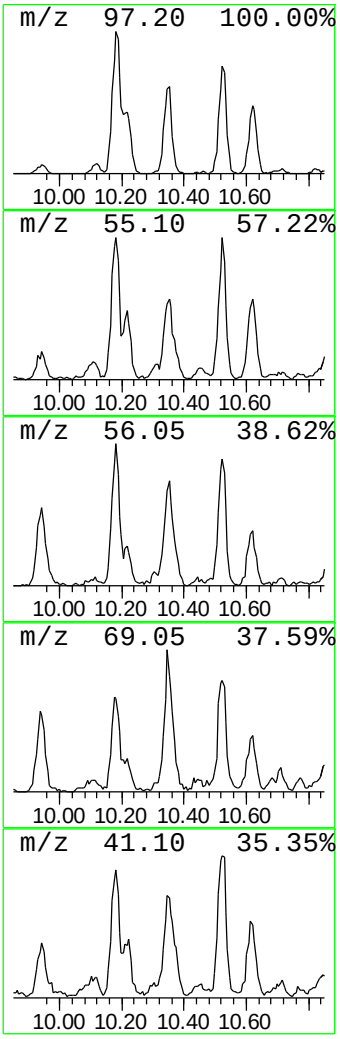
****

Peak Number 8 Cyclohexane, 1,1-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	10.42 ug/l	251961	Chlorobenzene-d5	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	94
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	59
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	53
5	Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	47





Library Search Compound Report

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Data File : VY000279.D
Acq On : 11 Oct 2019 18:35
Operator : SY/MD
Sample : K5266-07
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190856-AMENDED-COMP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

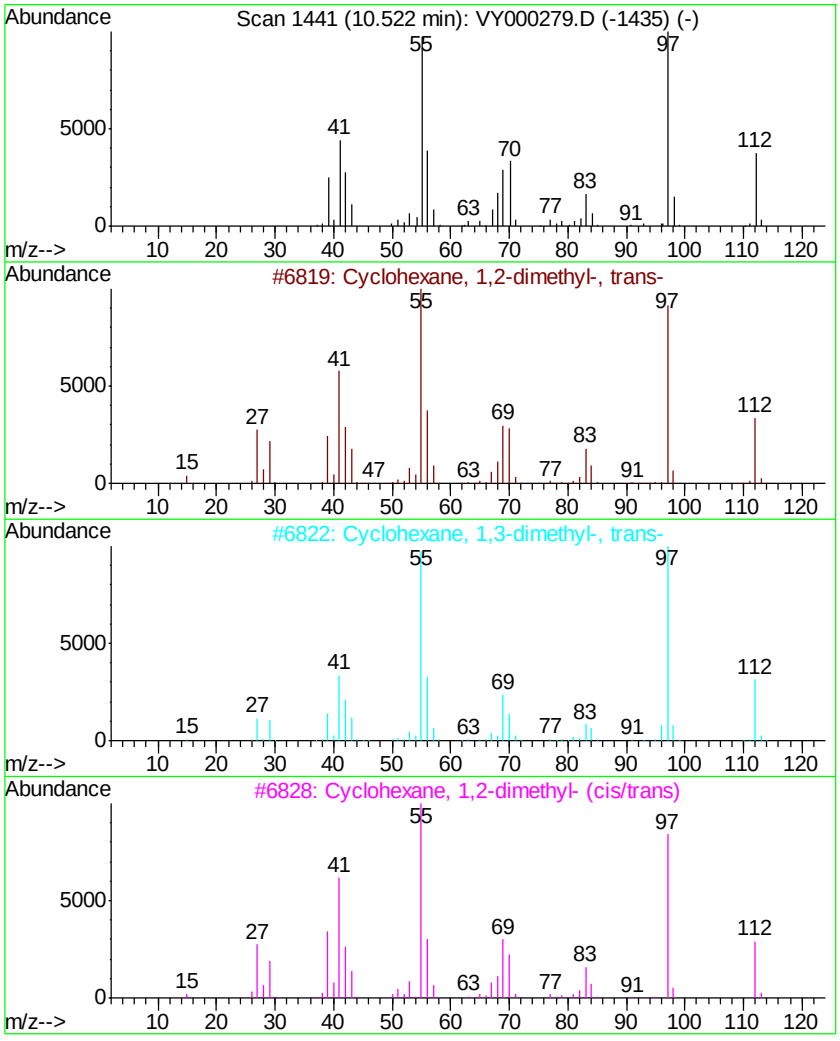
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

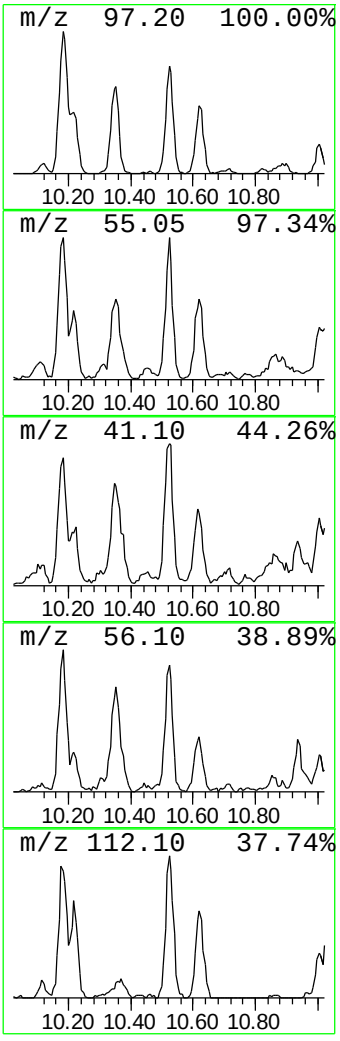
****

Peak Number 9 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.52	11.57 ug/l	279643	Chlorobenzene-d5	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	93
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	91
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	74
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101119\
Data File : VY000279.D
Acq On : 11 Oct 2019 18:35
Operator : SY/MD
Sample : K5266-07
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190856-AMENDED-COMP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

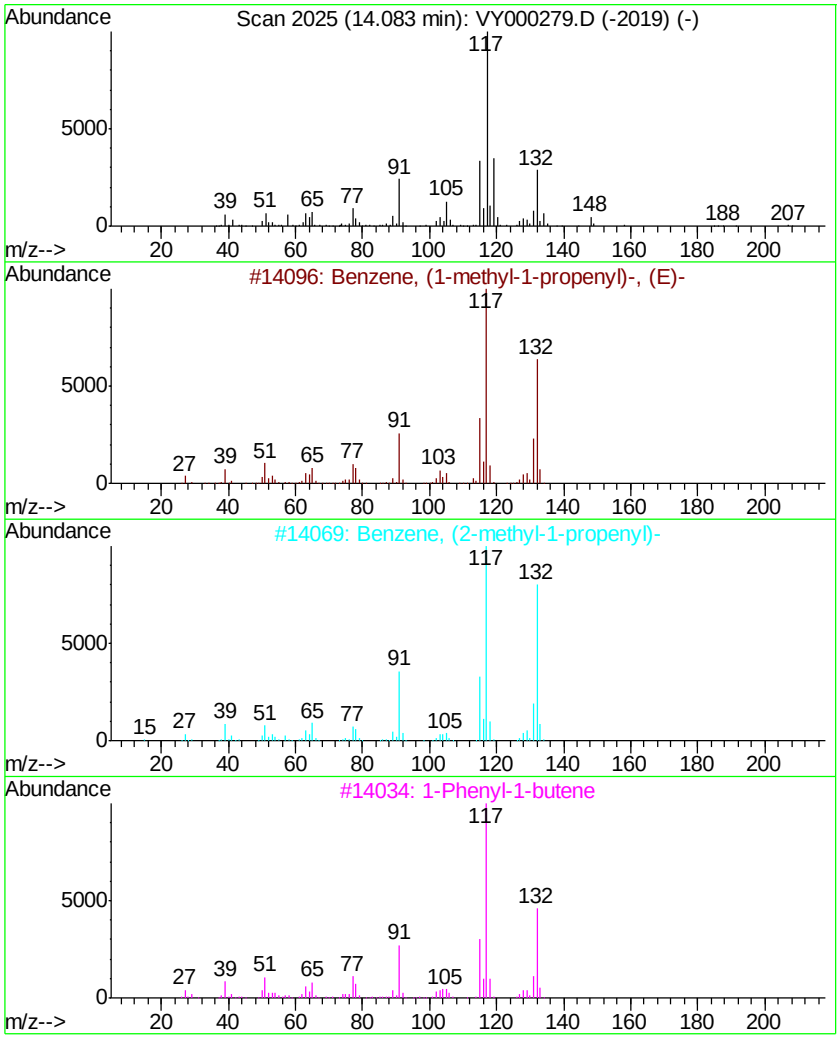
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

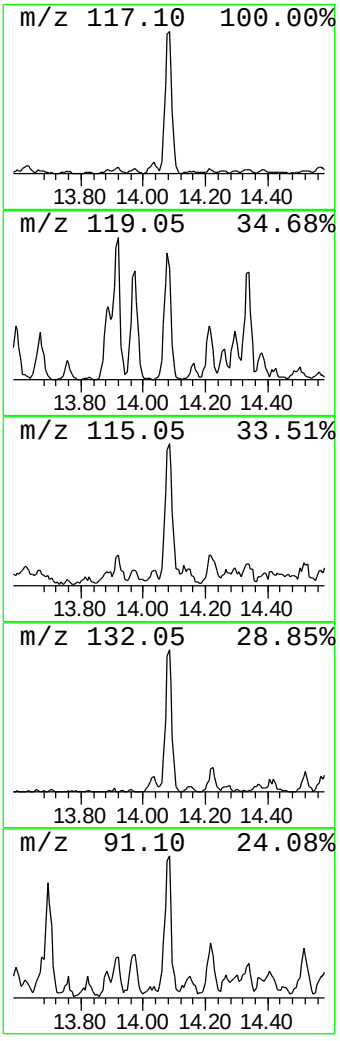
****

Peak Number 10 Benzene, (1-methyl-1-propen... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	14.50 ug/l	297227	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	70
4	Indan, 1-methyl-	132	C10H12	000767-58-8	64
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101119\
Data File : VY000279.D
Acq On : 11 Oct 2019 18:35
Operator : SY/MD
Sample : K5266-07
Misc : 5.04G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190856-AMENDED-COMP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Dimethyl sulfide	4.04	67.0	ug/l	1131430	1	7.80	843729	50.0
Cyclopentane, met...	6.80	10.6	ug/l	179427	1	7.80	843729	50.0
Cyclopentane, 1,1...	8.07	10.0	ug/l	169403	1	7.80	843729	50.0
Cyclopentane, 1,3...	8.28	21.9	ug/l	376746	2	8.70	858306	50.0
Isopropylcyclobutane	8.43	30.1	ug/l	516941	2	8.70	858306	50.0
Cyclopentane, ethyl-	9.38	11.3	ug/l	194022	2	8.70	858306	50.0
Cyclohexane, 1,1-...	10.35	10.4	ug/l	251961	3	11.49	1208940	50.0
Cyclohexane, 1,2-...	10.52	11.6	ug/l	279643	3	11.49	1208940	50.0
Benzene, (1-methy...	14.08	14.5	ug/l	297227	4	13.42	1024880	50.0