LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
Data File : VY000276.D
Acq On : 11 Oct 2019 17:25
Operator : SY/MD
Sample : K5266-02
Misc : 5.10G/5ML/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190851-COMPOSITE-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	75	84	97	rBV	827598	1348264	16.03%	5.326%
2	2.798	167	174	184	rVB	45503	88654	1.05%	0.350%
3	2.908	184	192	202	rBV	60816	136386	1.62%	0.539%
4	3.877	337	351	360	rBV	252121	653869	7.77%	2.583%
5	4.718	474	489	514	rBV3	164016	818444	9.73%	3.233%
6	5.243	562	575	590	rBV4	74394	272441	3.24%	1.076%
7	5.755	647	659	669	rBV3	39441	121546	1.44%	0.480%
8	6.029	691	704	721	rBV	317774	991730	11.79%	3.918%
9	6.803	820	831	842	rVB2	64495	203684	2.42%	0.805%
10	6.999	850	863	887	rBV	3039406	8412466	100.00%	33.231%
11	7.712	968	980	987	rBV3	251298	709575	8.43%	2.803%
12	7.797	987	994	1002	rVV4	234927	626210	7.44%	2.474%
13	7.876	1002	1007	1019	rVB2	53257	128272	1.52%	0.507%
14	8.011	1019	1029	1033	rBV2	66441	159500	1.90%	0.630%
15	8.065	1033	1038	1044	rVV2	60185	140717	1.67%	0.556%
16	8.151	1044	1052	1061	rVB3	102665	246956	2.94%	0.976%
17	8.285	1061	1074	1080	rBV4	129246	374834	4.46%	1.481%
18	8.358	1080	1086	1091	rVV	108940	243085	2.89%	0.960%
19	8.425	1091	1097	1107	rVB2	204117	459885	5.47%	1.817%
20	8.699	1133	1142	1149	rBV	245215	490184	5.83%	1.936%
21	8.931	1171	1180	1189	rBV	347420	787207	9.36%	3.110%
22	9.187	1207	1222	1230	rBV2	835463	1964494	23.35%	7.760%
23	9.376	1246	1253	1260	rBV	86566	164916	1.96%	0.651%
24	9.468	1260	1268	1275	rVB2	51490	101894	1.21%	0.403%
25	9.608	1285	1291	1299	rVB2	66753	131888	1.57%	0.521%
26	9.943	1338	1346	1352	rBV2	43990	99795	1.19%	0.394%
27	10.181	1378	1385	1400	rBV2	480106	988224	11.75%	3.904%
28	10.352	1407	1413	1423	rVB4	93916	240067	2.85%	0.948%
29	10.522	1435	1441	1447	rVB2	154455	267961	3.19%	1.059%
30	10.620	1447	1457	1465	rVV4	77058	186786	2.22%	0.738%
31	10.723	1466	1474	1480	rVB	322977	555817	6.61%	2.196%
32	10.870	1485	1498	1506	rBV6	27690	107331	1.28%	0.424%
33	11.034	1522	1525	1531	rVV	111930	193000	2.29%	0.762%
34	11.492	1593	1600	1609	rBV2	333436	659004	7.83%	2.603%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY101119\
Data File : VY000276.D
Acq On : 11 Oct 2019 17:25
Operator : SY/MD
Sample : K5266-02
Misc : 5.10G/5ML/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190851-COMPOSITE-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	11.583	1609	1615	1620	rVV2	106038	187521	2.23%	0.741%
36	11.736	1634	1640	1652	rVB4	72322	176229	2.09%	0.696%
37	12.028	1677	1688	1691	rBV4	31046	97450	1.16%	0.385%
38	12.327	1732	1737	1744	rVB	65037	102671	1.22%	0.406%
39	12.485	1755	1763	1769	rBV2	263235	457787	5.44%	1.808%
40	13.254	1881	1889	1893	rBV2	83510	171404	2.04%	0.677%
41	13.424	1911	1917	1930	rVB	304700	510104	6.06%	2.015%
42	13.741	1964	1969	1976	rVB3	71954	135064	1.61%	0.534%
43	14.083	2018	2025	2029	rBV2	114449	191667	2.28%	0.757%
44	14.680	2117	2123	2129	rBV6	44177	102379	1.22%	0.404%
45	15.058	2180	2185	2192	rVB2	47131	107464	1.28%	0.425%

Sum of corrected areas: 25314826

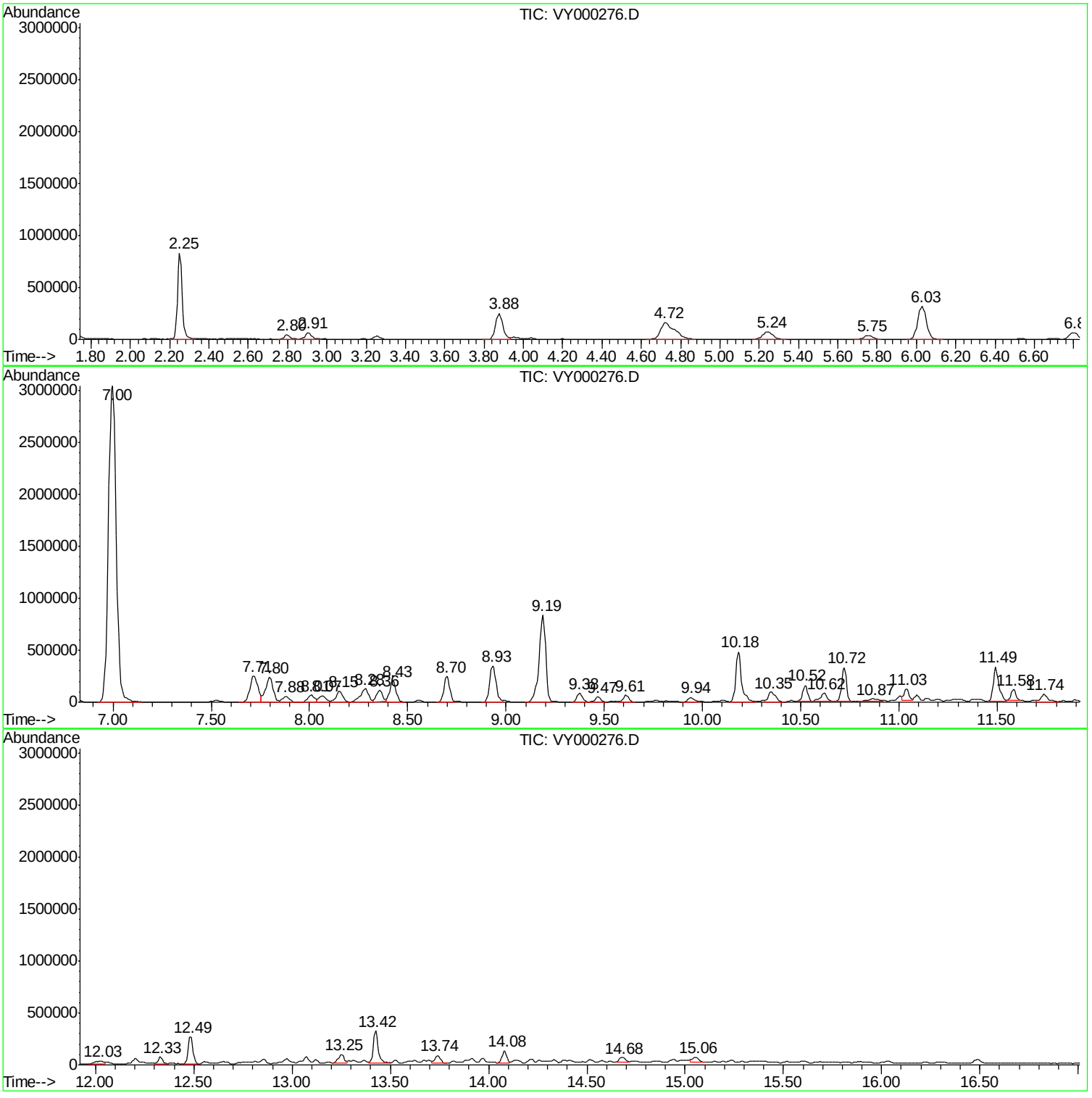
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101119\
Data File : VY000276.D
Acq On : 11 Oct 2019 17:25
Operator : SY/MD
Sample : K5266-02
Misc : 5.10G/5ML/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
20190851-COMPOSITE-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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101119\
Data File : VY000276.D
Acq On : 11 Oct 2019 17:25
Operator : SY/MD
Sample : K5266-02
Misc : 5.10G/5ML/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190851-COMPOSITE-C

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

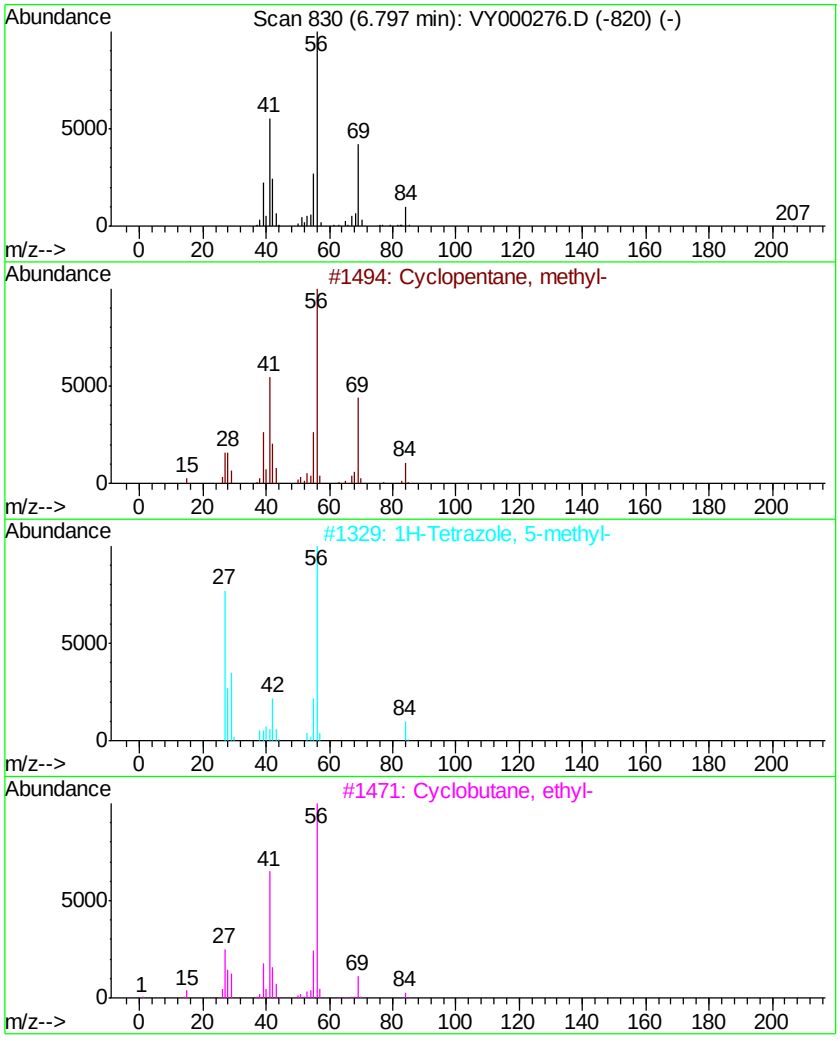
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

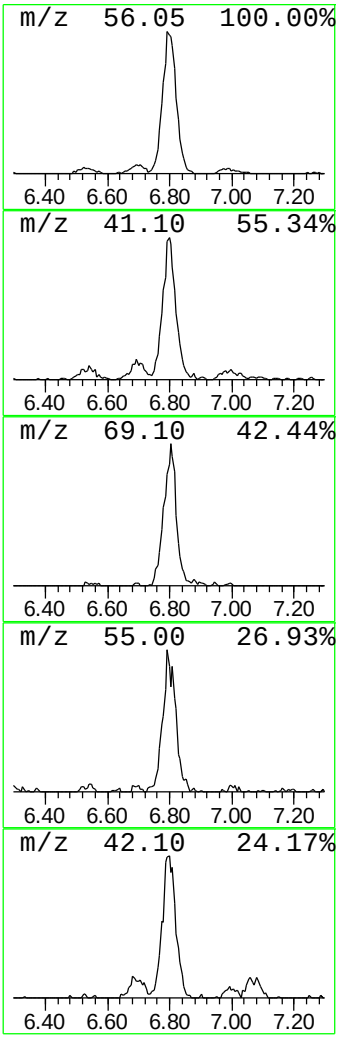
****

Peak Number 1 Cyclopentane, methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	16.26 ug/l	203684	Pentafluorobenzene	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
3	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	59
5	Cyclobutane, 1,2-diethyl-, cis-	112	C8H16	061141-50-2	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101119\
Data File : VY000276.D
Acq On : 11 Oct 2019 17:25
Operator : SY/MD
Sample : K5266-02
Misc : 5.10G/5ML/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190851-COMPOSITE-C

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

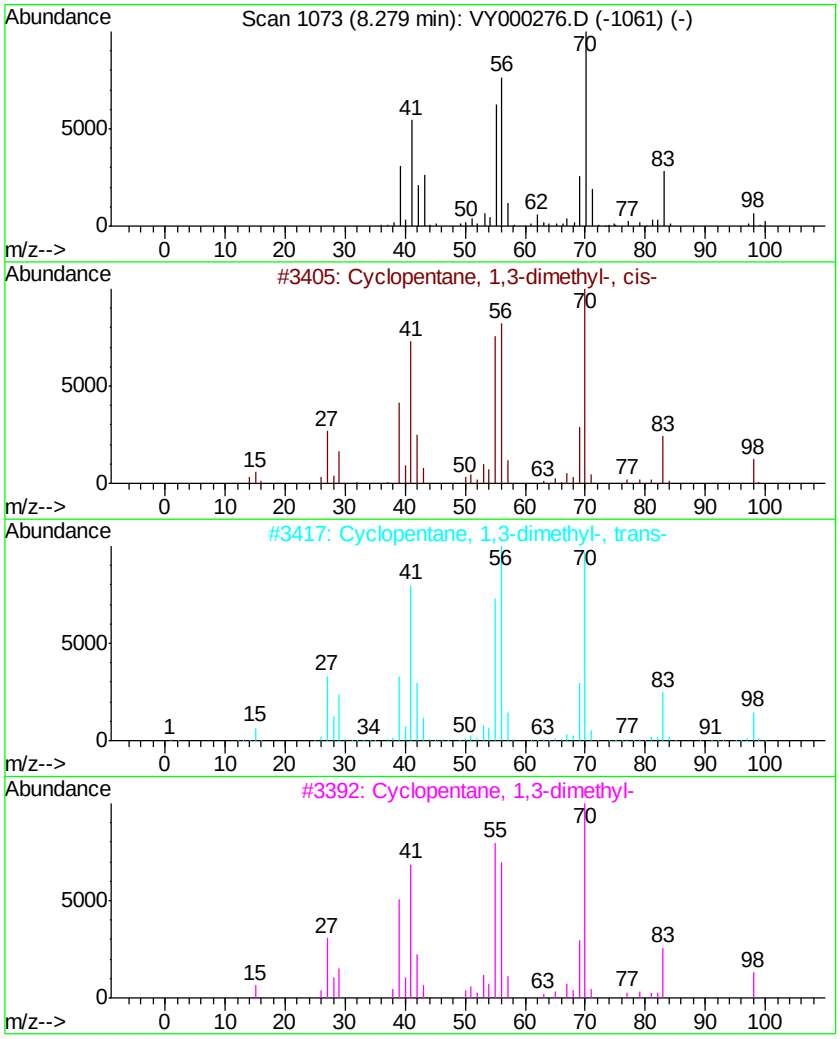
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

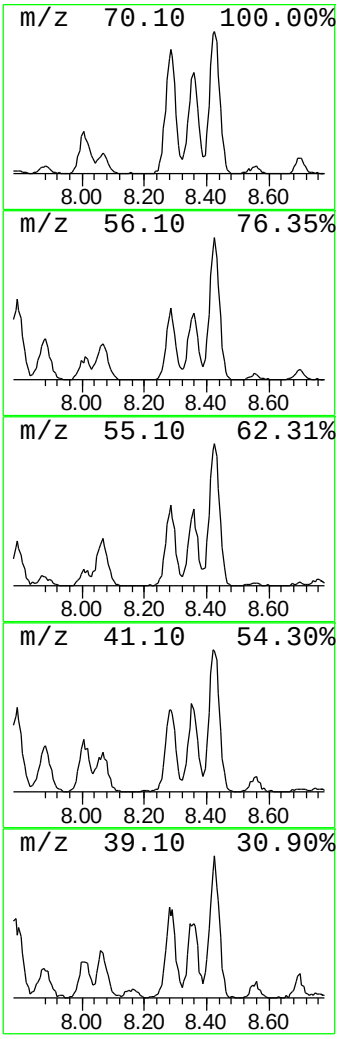
****

Peak Number 2 Cyclopentane, 1,3-dimethyl-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.28	38.23 ug/l	374834	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-, trans-	98	C7H14	001759-58-6	91
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
4	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	78
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101119\
Data File : VY000276.D
Acq On : 11 Oct 2019 17:25
Operator : SY/MD
Sample : K5266-02
Misc : 5.10G/5ML/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190851-COMPOSITE-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

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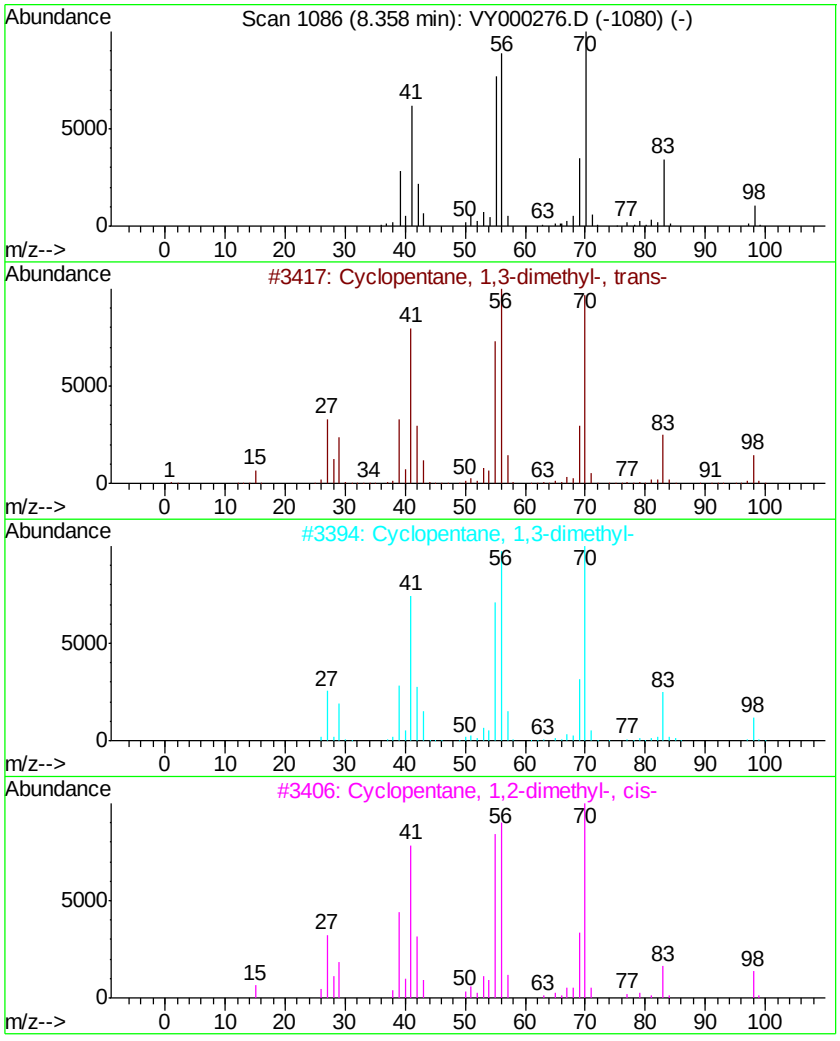
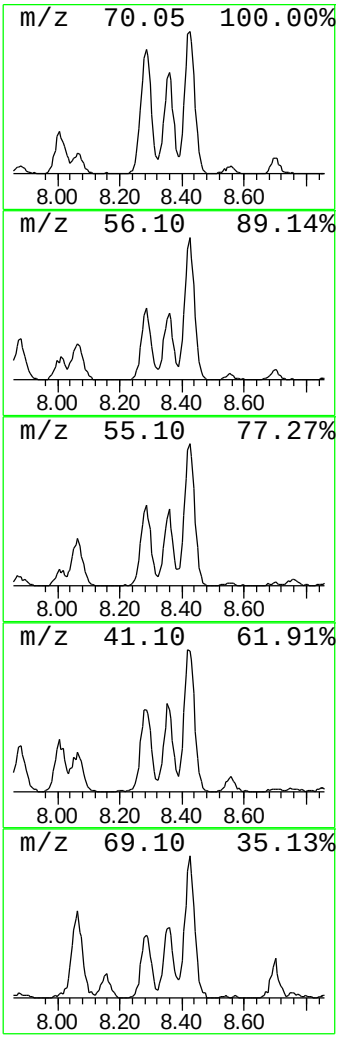
Peak Number 3 Cyclopentane, 1,3-dimethyl-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.36	24.80 ug/l	243085	1,4-Difluorobenzene	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	83
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101119\
Data File : VY000276.D
Acq On : 11 Oct 2019 17:25
Operator : SY/MD
Sample : K5266-02
Misc : 5.10G/5ML/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190851-COMPOSITE-C

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

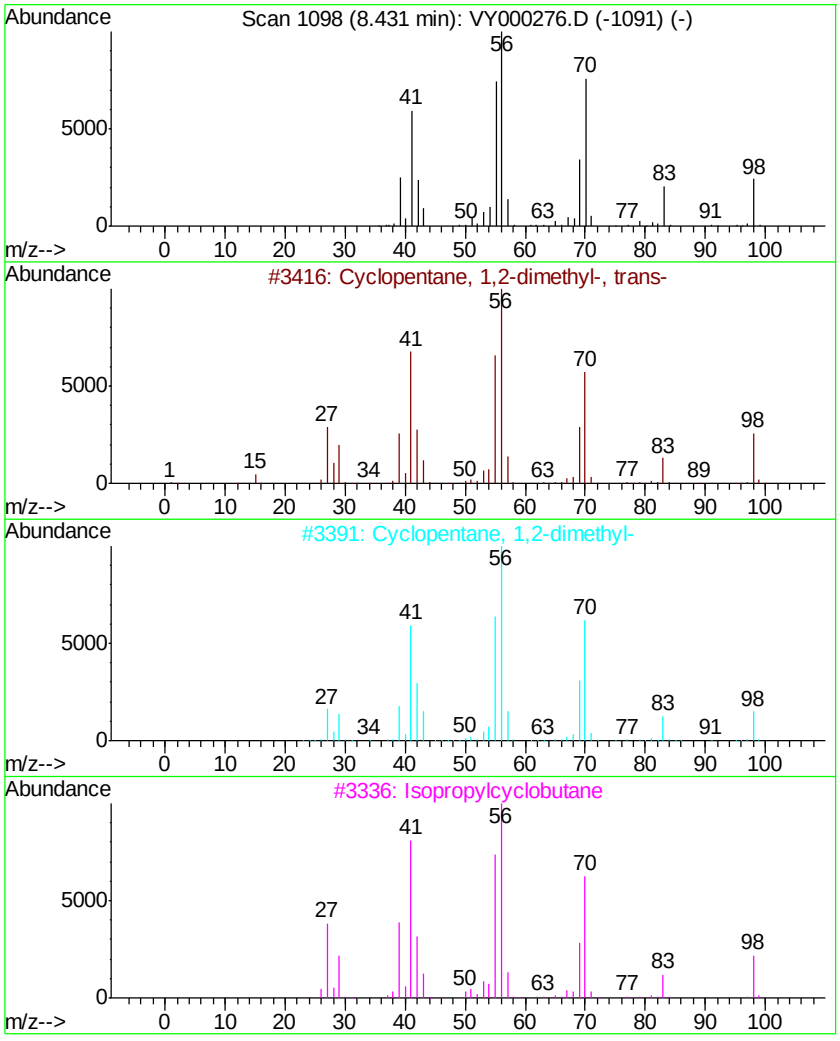
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

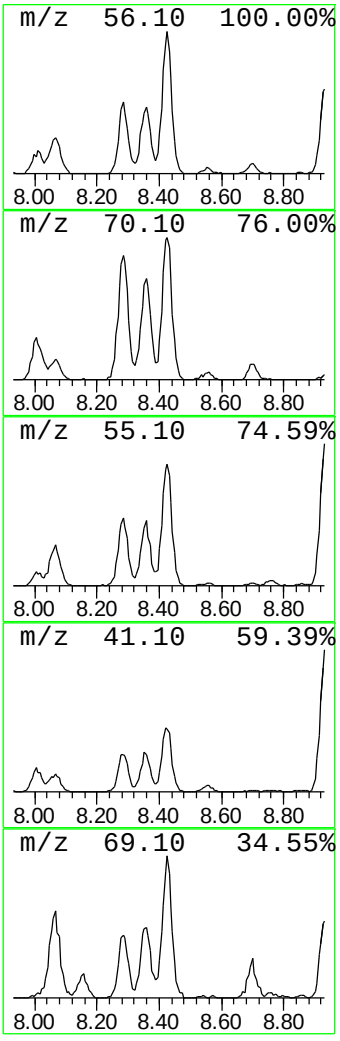
****

Peak Number 4 Cyclopentane, 1,2-dimethyl-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	46.91 ug/l	459885	1,4-Difluorobenzene	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	94
3	Isopropylcyclobutane	98	C7H14	000872-56-0	94
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	91
5	1-Heptene	98	C7H14	000592-76-7	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101119\
Data File : VY000276.D
Acq On : 11 Oct 2019 17:25
Operator : SY/MD
Sample : K5266-02
Misc : 5.10G/5ML/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190851-COMPOSITE-C

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

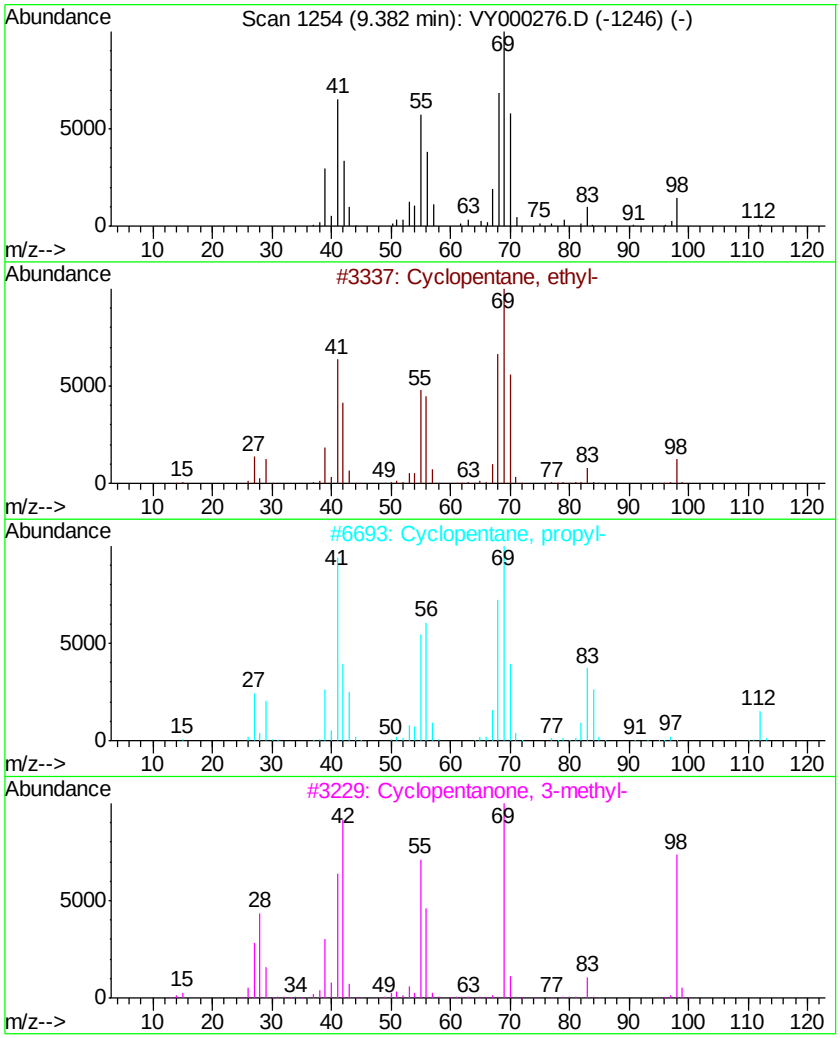
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

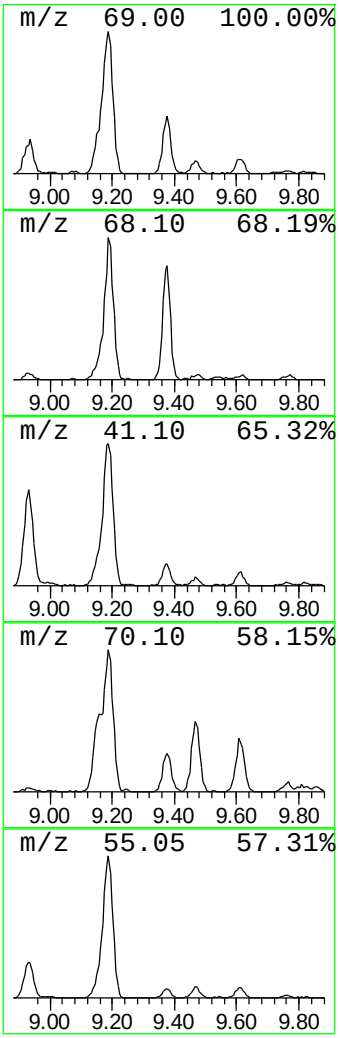
****

Peak Number 5 Cyclopentane, ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	16.82 ug/l	164916	1,4-Difluorobenzene	8.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	93
2	Cyclopentane, propyl-	112	C8H16	002040-96-2	72
3	Cyclopentanone, 3-methyl-	98	C6H10O	001757-42-2	46
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	43
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101119\
Data File : VY000276.D
Acq On : 11 Oct 2019 17:25
Operator : SY/MD
Sample : K5266-02
Misc : 5.10G/5ML/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190851-COMPOSITE-C

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

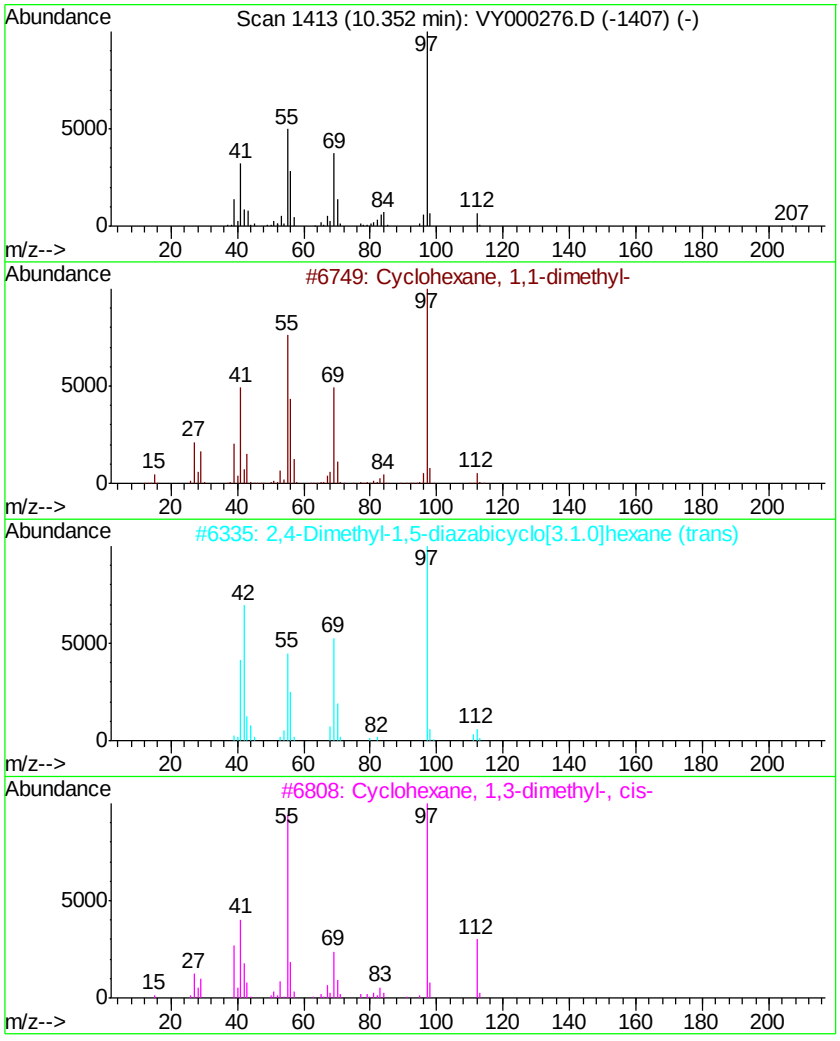
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

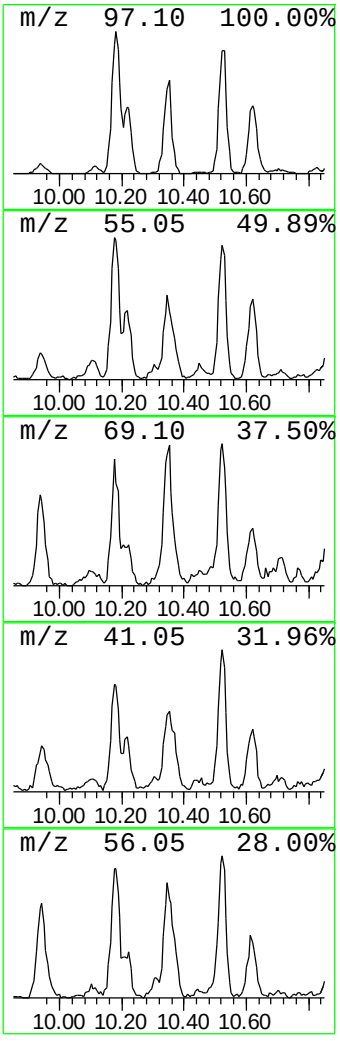
****

Peak Number 6 Cyclohexane, 1,1-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.35	18.21 ug/l	240067	Chlorobenzene-d5	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dimethyl-	112	C8H16	000590-66-9	91
2	2,4-Dimethyl-1,5-diazabicyclo[3....	112	C6H12N2	1000283-20-9	59
3	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	56
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	56
5	Isoxazole, 3,5-dimethyl-	97	C5H7NO	000300-87-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101119\
Data File : VY000276.D
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Operator : SY/MD
Sample : K5266-02
Misc : 5.10G/5ML/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190851-COMPOSITE-C

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

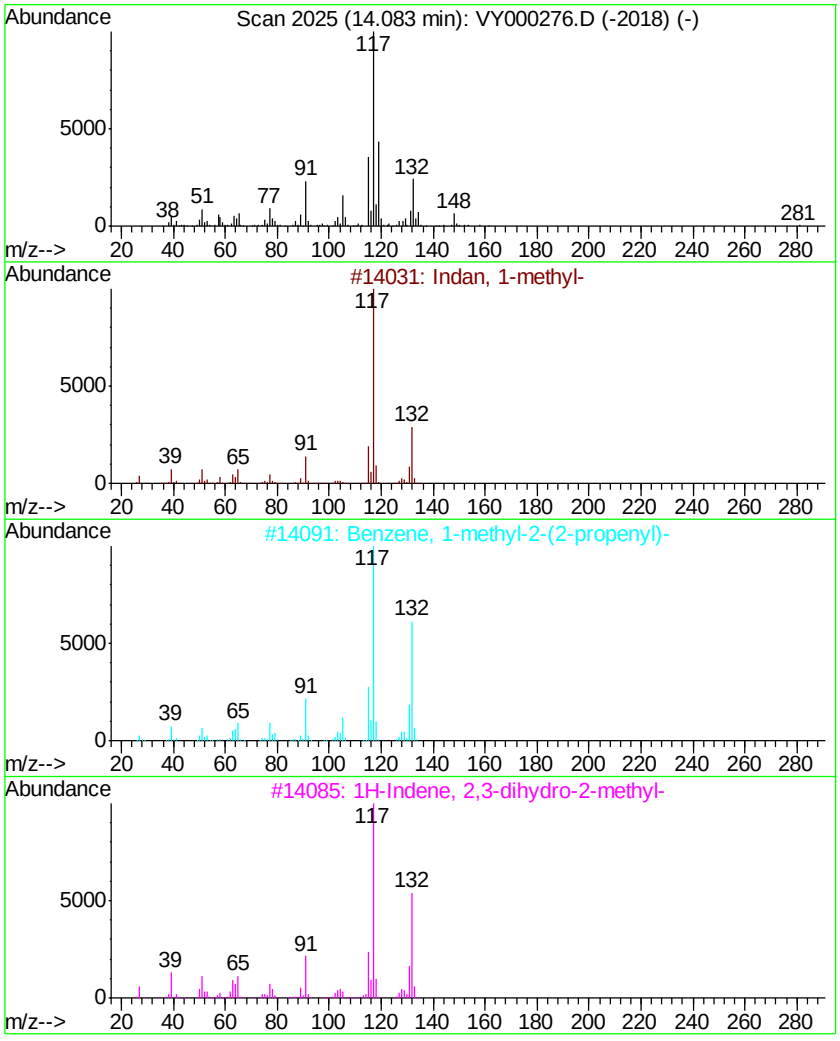
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

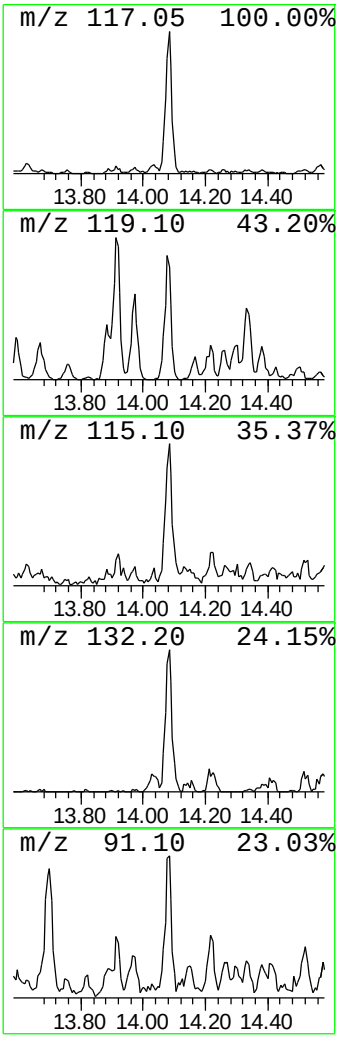
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	18.79 ug/l	191667	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	76
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
3	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	76
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	70
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY101119\
Data File : VY000276.D
Acq On : 11 Oct 2019 17:25
Operator : SY/MD
Sample : K5266-02
Misc : 5.10G/5ML/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : 20190851-COMPOSITE-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
Cyclopentane, met...	6.80	16.3	ug/l	203684	1	7.80	626210	50.0
Cyclopentane, 1,3...	8.28	38.2	ug/l	374834	2	8.70	490184	50.0
Cyclopentane, 1,3...	8.36	24.8	ug/l	243085	2	8.70	490184	50.0
Cyclopentane, 1,2...	8.43	46.9	ug/l	459885	2	8.70	490184	50.0
Cyclopentane, ethyl-	9.38	16.8	ug/l	164916	2	8.70	490184	50.0
Cyclohexane, 1,1-...	10.35	18.2	ug/l	240067	3	11.49	659004	50.0
Indan, 1-methyl-	14.08	18.8	ug/l	191667	4	13.42	510104	50.0