LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY022120\
Data File : VY001753.D
Acq On : 21 Feb 2020 19:09
Operator : SY/MD
Sample : L1650-03
Misc : 8.52G/5ML/MSVOA Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EP-3

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\82Y021720S.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	1.883	19	24	33	rVB3	5906	11842	1.20%	0.145%
2	3.993	359	370	381	rBV2	7996	25119	2.55%	0.307%
3	4.237	399	410	421	rVB3	3990	11392	1.16%	0.139%
4	4.761	480	496	507	rBV5	20257	78590	7.99%	0.961%
5	5.285	569	582	593	rBV3	15274	54635	5.56%	0.668%
6	6.559	779	791	806	rBV5	5966	19538	1.99%	0.239%
7	6.724	806	818	831	rBV3	24766	81460	8.28%	0.996%
8	7.023	857	867	876	rBV5	6634	18357	1.87%	0.225%
9	7.559	945	955	964	rVB2	7848	22720	2.31%	0.278%
10	7.748	974	986	991	rBV	117328	279418	28.41%	3.418%
11	7.815	991	997	1004	rVV	213783	468647	47.66%	5.732%
12	7.894	1004	1010	1023	rVB	73250	183442	18.65%	2.244%
13	8.029	1023	1032	1036	rBV4	3874	10131	1.03%	0.124%
14	8.169	1046	1055	1066	rVB	126284	280297	28.50%	3.428%
15	8.346	1066	1084	1095	rBV	367045	976338	99.28%	11.942%
16	8.711	1135	1144	1153	rBV	339001	678153	68.96%	8.295%
17	9.163	1209	1218	1223	rBV2	33774	74101	7.54%	0.906%
18	9.260	1229	1234	1241	rVB2	23962	45834	4.66%	0.561%
19	9.339	1241	1247	1252	rBV	12270	24664	2.51%	0.302%
20	9.480	1260	1270	1277	rVB6	19406	53002	5.39%	0.648%
21	9.632	1286	1295	1307	rVB	167070	330372	33.59%	4.041%
22	9.760	1307	1316	1323	rBV	125433	248538	25.27%	3.040%
23	9.870	1330	1334	1341	rVB6	4574	10495	1.07%	0.128%
24	9.949	1341	1347	1354	rBV	25854	52466	5.34%	0.642%
25	10.083	1363	1369	1371	rBV2	10561	18926	1.92%	0.231%
26	10.126	1371	1376	1381	rVV	46445	82962	8.44%	1.015%
27	10.193	1381	1387	1400	rVV	559625	983404	100.00%	12.028%
28	10.357	1409	1414	1425	rVB5	19748	47823	4.86%	0.585%
29	10.492	1425	1436	1439	rBV8	11363	27927	2.84%	0.342%
30	10.534	1439	1443	1447	rVV2	14269	23721	2.41%	0.290%
31	10.632	1451	1459	1465	rVV6	28910	80926	8.23%	0.990%
32	10.778	1478	1483	1487	rBV4	8444	14265	1.45%	0.174%
33	10.894	1494	1502	1507	rBV8	6452	16397	1.67%	0.201%
34	11.016	1517	1522	1527	rBV3	14723	25502	2.59%	0.312%

LSC Area Percent Report

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Misc : 8.52G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EP-3

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\82Y021720S.M
Title : SW846 8260

35	11.156	1539	1545	1558	rVB3	38304	76069	7.74%	0.930%
36	11.309	1563	1570	1579	rVB6	21910	53120	5.40%	0.650%
37	11.412	1579	1587	1592	rBV9	7561	26327	2.68%	0.322%
38	11.504	1596	1602	1612	rVB	503177	809760	82.34%	9.905%
39	11.595	1612	1617	1620	rBV3	6386	11828	1.20%	0.145%
40	11.766	1641	1645	1653	rVB6	12096	25667	2.61%	0.314%
41	11.912	1663	1669	1673	rBV2	10436	18294	1.86%	0.224%
42	12.010	1680	1685	1689	rBV4	6905	12472	1.27%	0.153%
43	12.071	1690	1695	1698	rBV3	7215	11652	1.18%	0.143%
44	12.199	1705	1716	1721	rBV9	7842	24928	2.53%	0.305%
45	12.314	1729	1735	1739	rBV8	8832	17118	1.74%	0.209%
46	12.491	1758	1764	1772	rVV	367101	579335	58.91%	7.086%
47	12.564	1773	1776	1783	rVV7	5570	13533	1.38%	0.166%
48	12.656	1784	1791	1798	rVB5	7939	17570	1.79%	0.215%
49	12.820	1812	1818	1825	rVB7	6785	15467	1.57%	0.189%
50	13.253	1884	1889	1895	rBV6	4846	10688	1.09%	0.131%
51	13.436	1912	1919	1926	rVB	467502	729556	74.19%	8.924%
52	13.759	1967	1972	1977	rVV5	7688	13876	1.41%	0.170%
53	13.912	1988	1997	2003	rBV4	9909	20404	2.07%	0.250%
54	13.979	2003	2008	2014	rVV3	8390	15521	1.58%	0.190%
55	14.095	2022	2027	2031	rBV4	6984	12951	1.32%	0.158%
56	14.162	2031	2038	2044	rVB7	9770	26414	2.69%	0.323%
57	14.296	2052	2060	2068	rVB3	12612	35762	3.64%	0.437%
58	14.430	2074	2082	2086	rBV5	11254	23071	2.35%	0.282%
59	14.588	2102	2108	2113	rBV4	23949	41662	4.24%	0.510%
60	14.674	2118	2122	2131	rVV	22627	36432	3.70%	0.446%
61	14.771	2131	2138	2144	rVB2	15026	26461	2.69%	0.324%
62	14.887	2150	2157	2164	rBV9	8083	20093	2.04%	0.246%
63	14.960	2164	2169	2174	rVV5	10196	22370	2.27%	0.274%
64	15.021	2174	2179	2187	rVB6	7992	16632	1.69%	0.203%
65	15.222	2207	2212	2218	rBV4	11843	22289	2.27%	0.273%
66	15.405	2238	2242	2247	rVB4	7614	14119	1.44%	0.173%
67	16.503	2417	2422	2430	rBV10	4505	12781	1.30%	0.156%

Sum of corrected areas: 8175626

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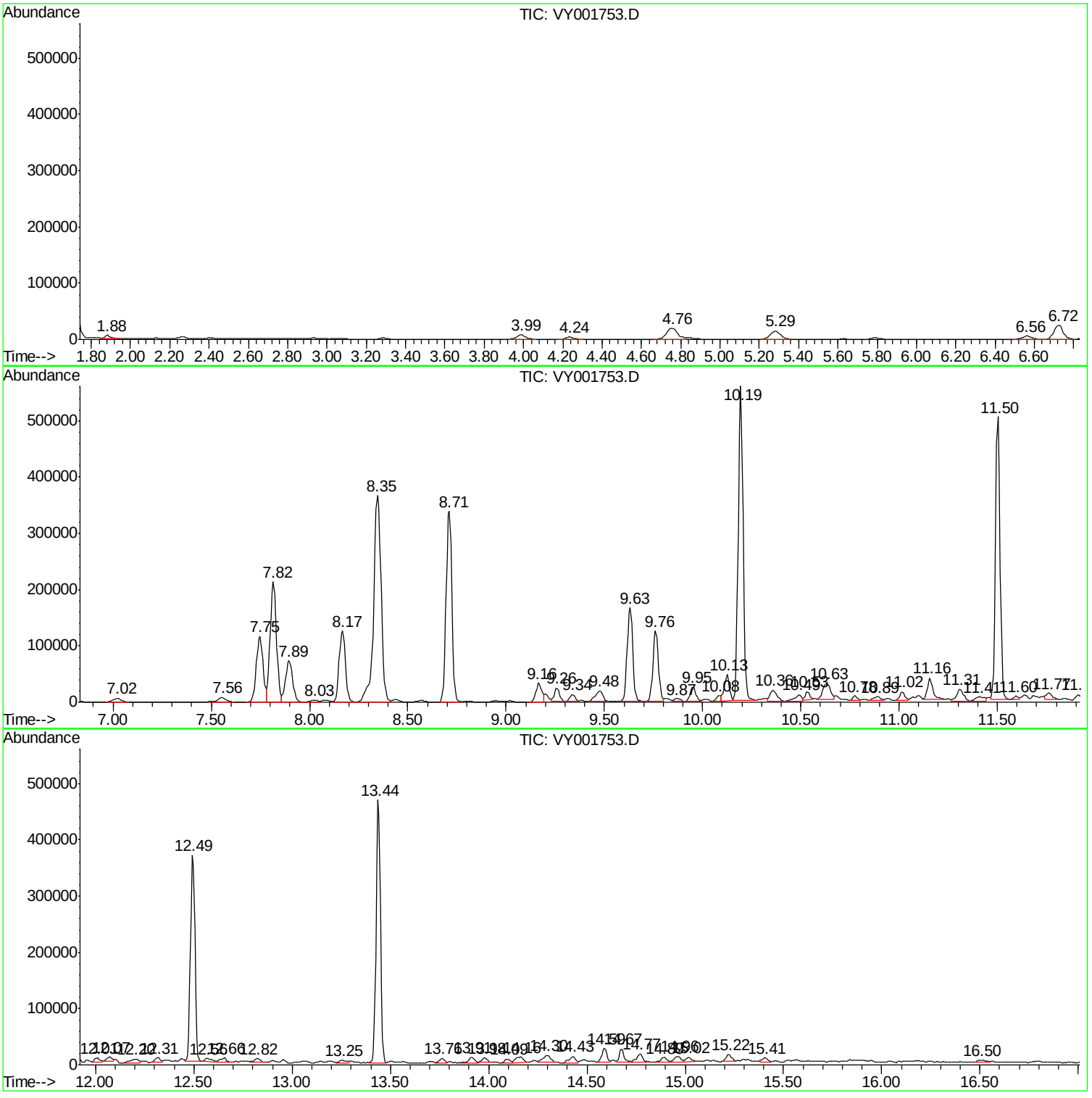
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EP-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260

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



Library Search Compound Report

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Data File : VY001753.D
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Quant Title : SW846 8260

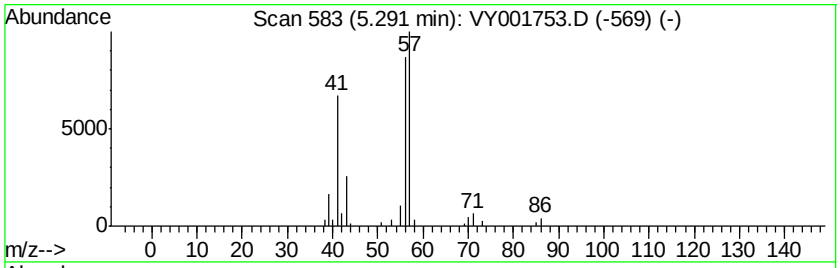
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

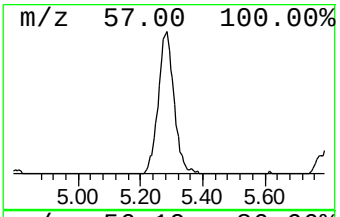
****

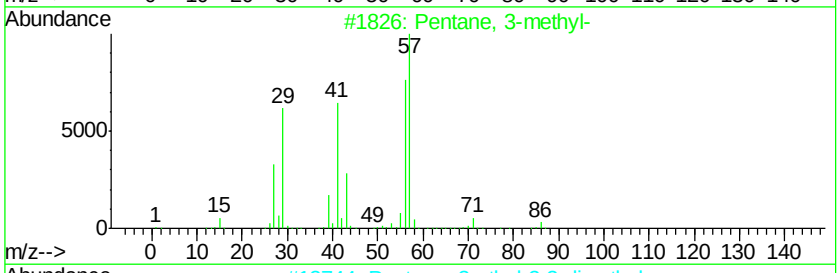
Peak Number 2 Pentane, 3-methyl- Concentration Rank 7

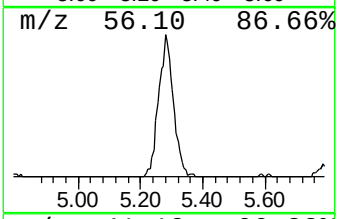
R.T.	EstConc	Area	Relative to ISTD	R.T.
5.29	5.83 ug/l	54635	Pentafluorobenzene	7.82

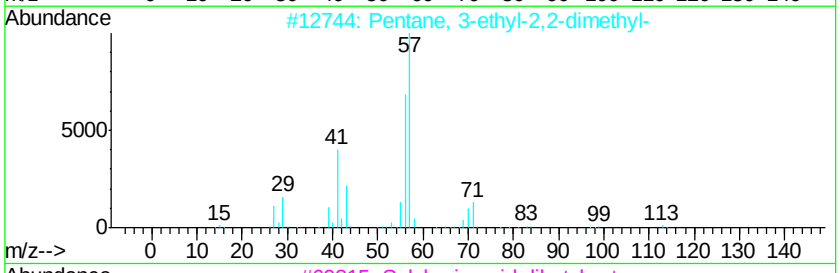
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	78
3	Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	72
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	45
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	45

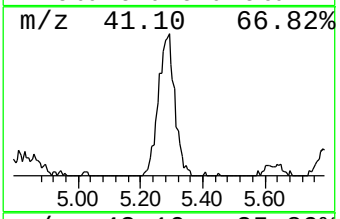


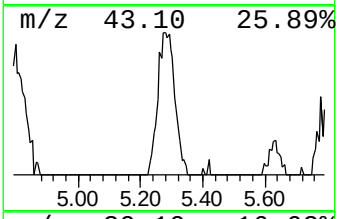


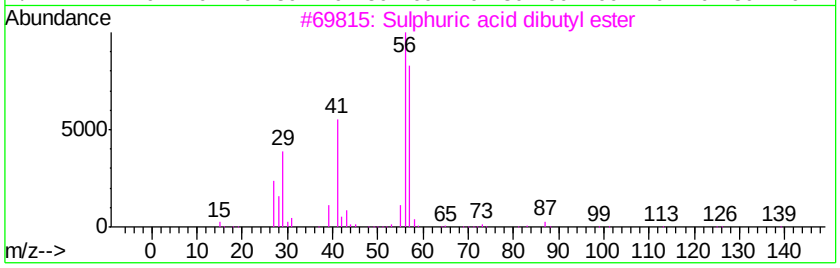


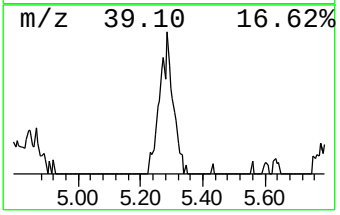












Library Search Compound Report

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Sample : L1650-03
Misc : 8.52G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EP-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260

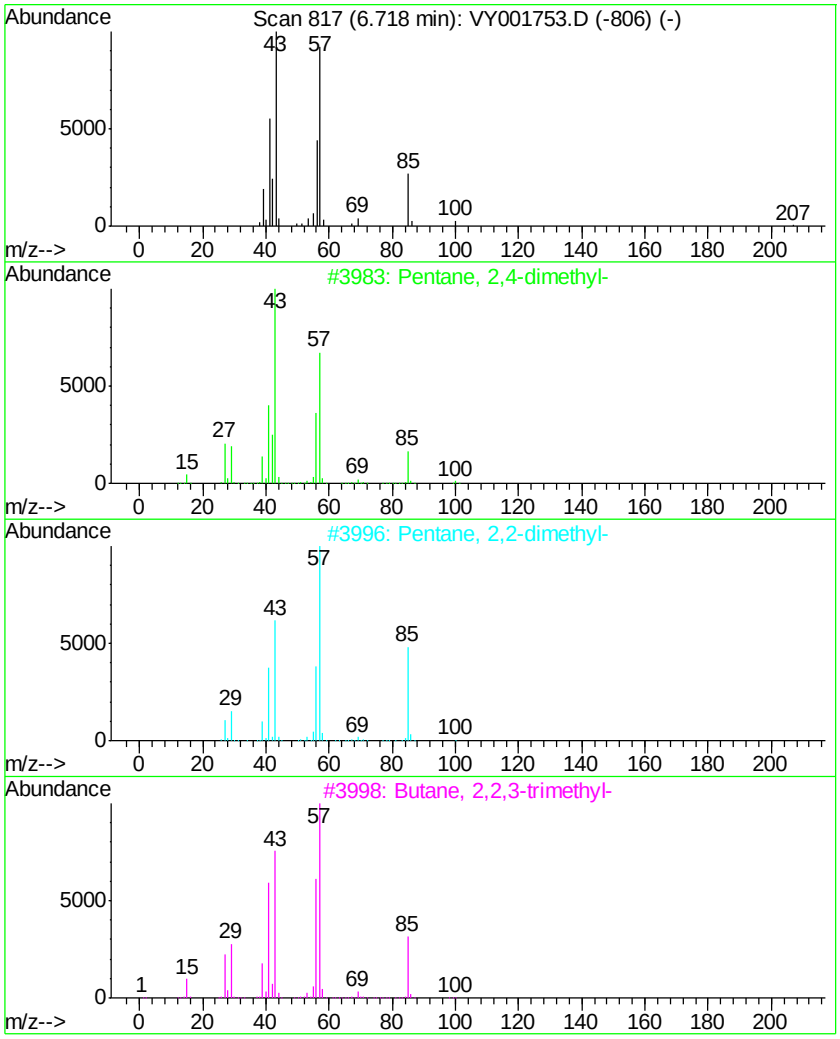
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

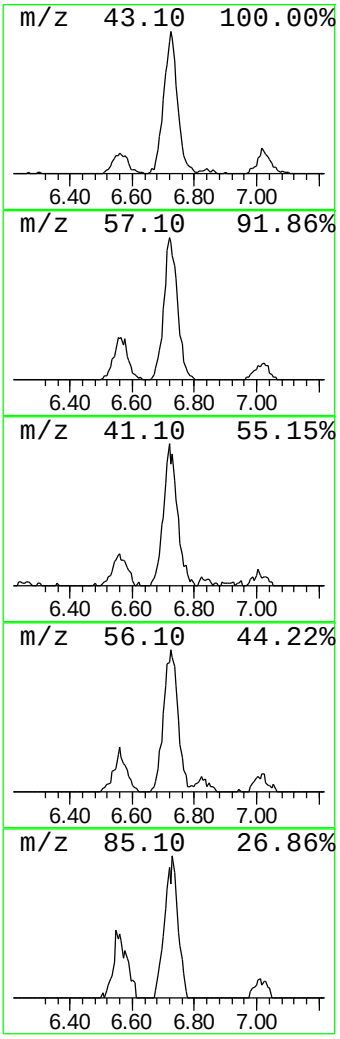
****

Peak Number 3 Pentane, 2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	8.69 ug/l	81460	Pentafluorobenzene	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	91
2	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	50
3	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	45
4	Pentane, 3-methyl-	86	C6H14	000096-14-0	43
5	n-Hexane	86	C6H14	000110-54-3	40





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ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EP-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260

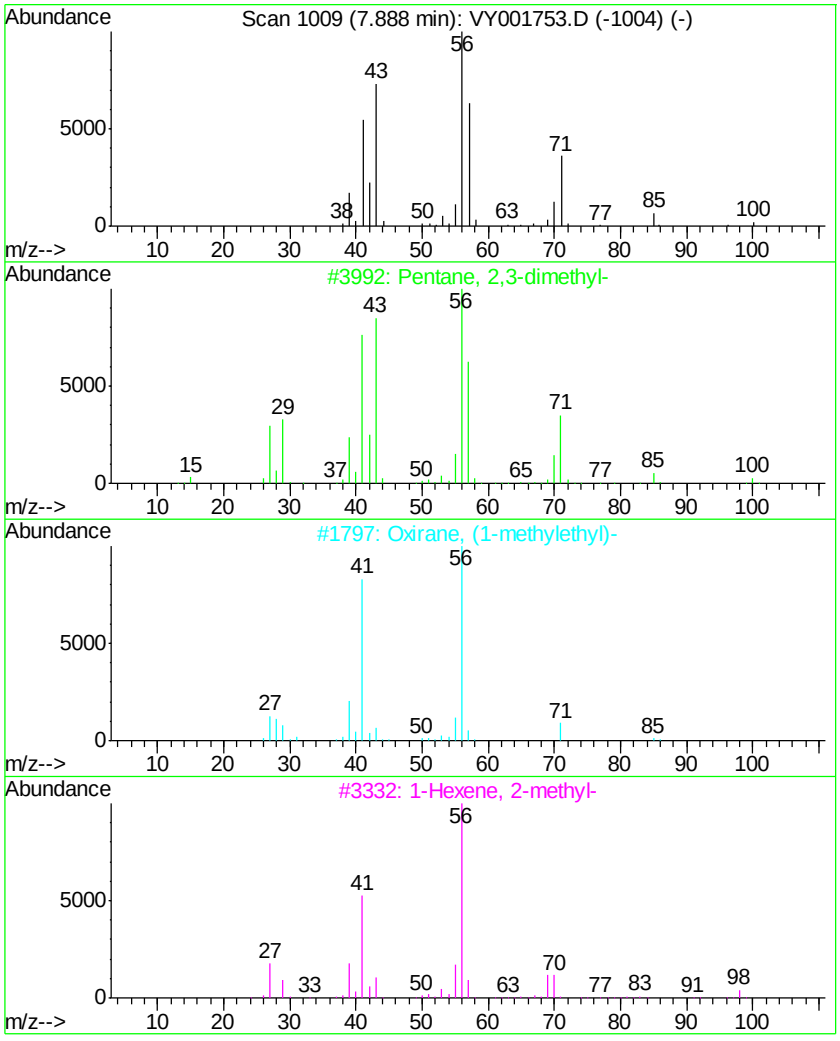
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

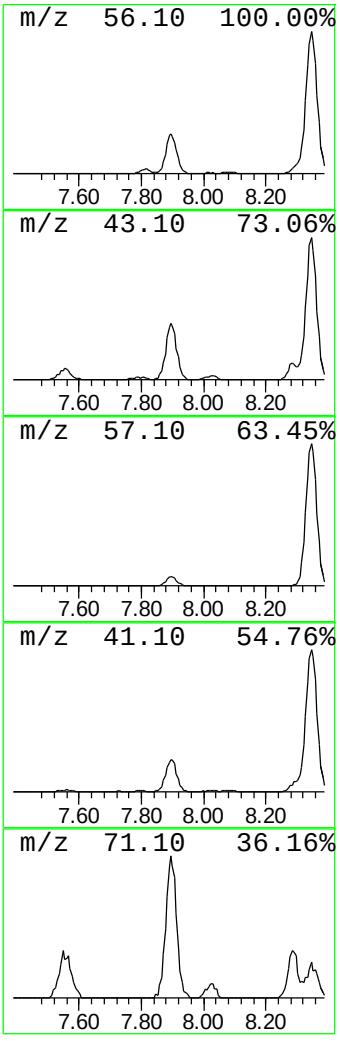
****

Peak Number 4 Pentane, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	19.57 ug/l	183442	Pentafluorobenzene	7.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
2	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	43
3	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	43
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	40
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	35





Library Search Compound Report

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Sample : L1650-03
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ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EP-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260

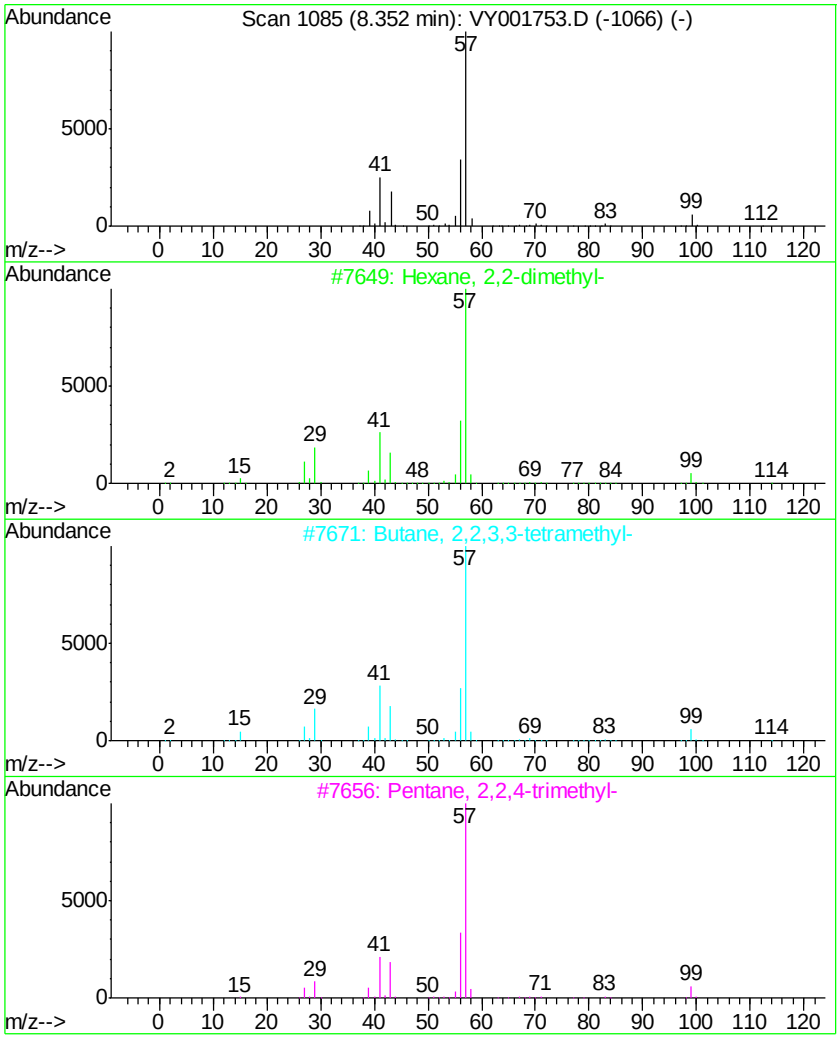
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

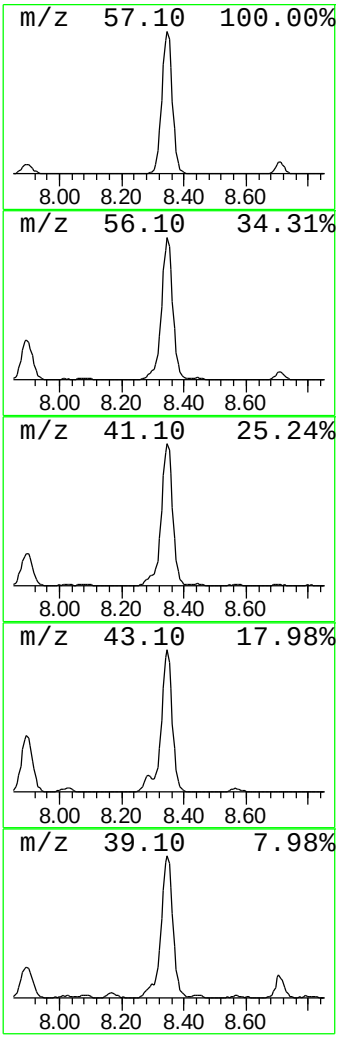
****

Peak Number 5 Hexane, 2,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	71.99 ug/l	976338	1,4-Difluorobenzene	8.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	83
2	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	83
3	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	83
4	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	78
5	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	64





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Instrument : MSVOA_Y
ClientSampleId : EP-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260

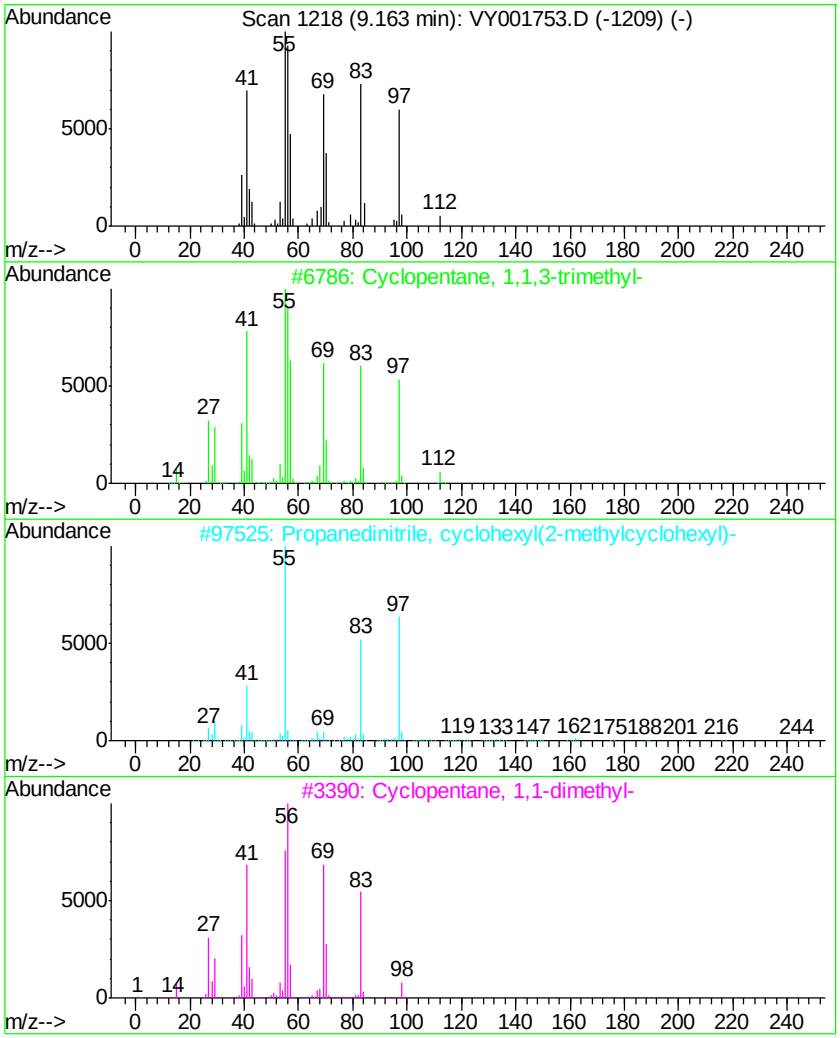
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

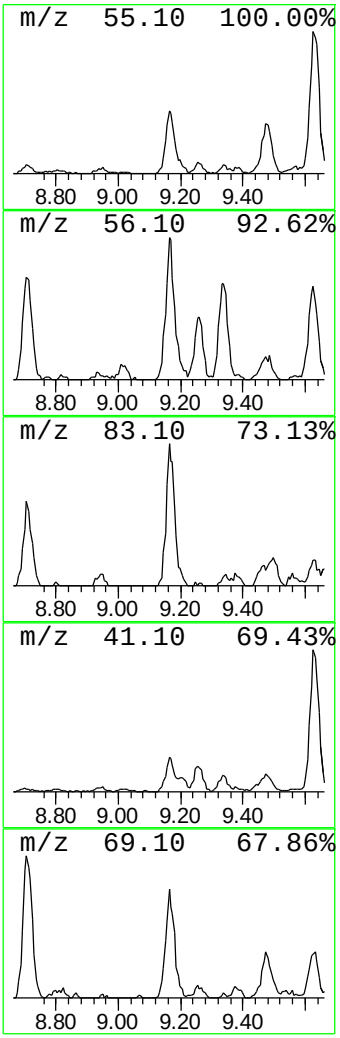
****

Peak Number 6 Cyclopentane, 1,1,3-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.16	5.46 ug/l	74101	1,4-Difluorobenzene	8.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	94
2	Propanedinitrile, cyclohexyl(2-m...	244	C16H24N2	074764-55-9	47
3	Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	47
4	2-Heptene, 6-methyl-	112	C8H16	073548-72-8	43
5	1-Pentene, 2,3,3-trimethyl-	112	C8H16	000560-23-6	43





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Misc : 8.52G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EP-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260

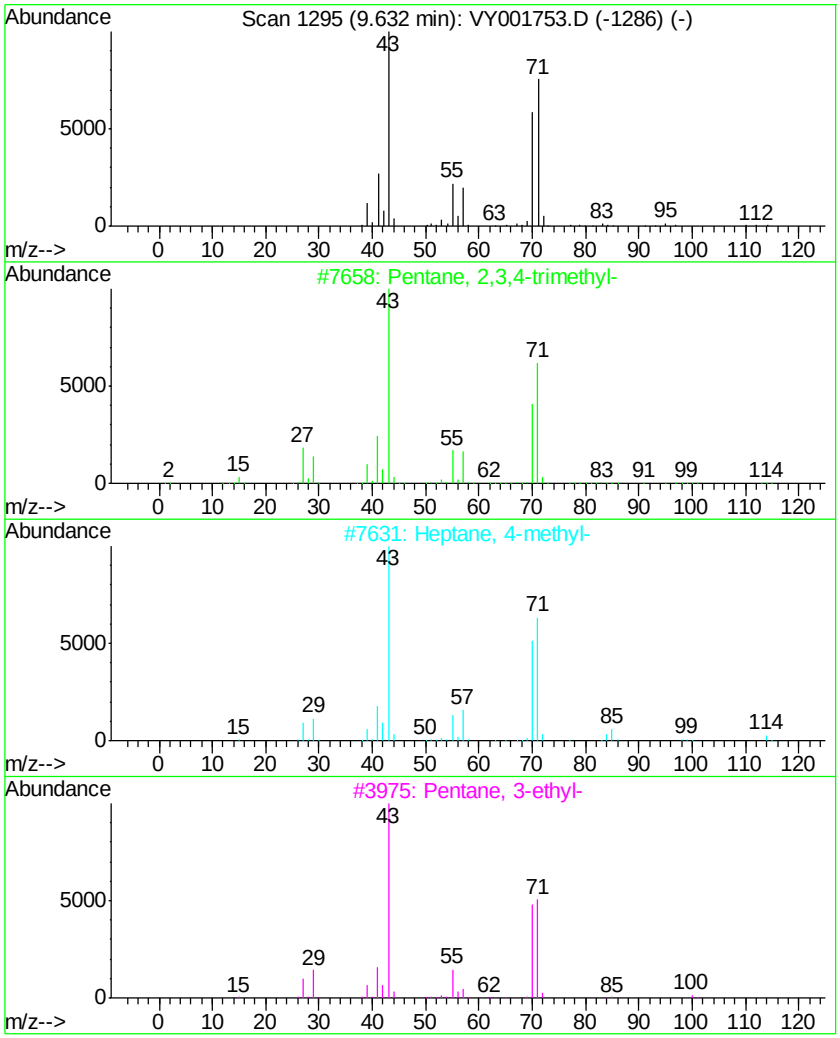
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

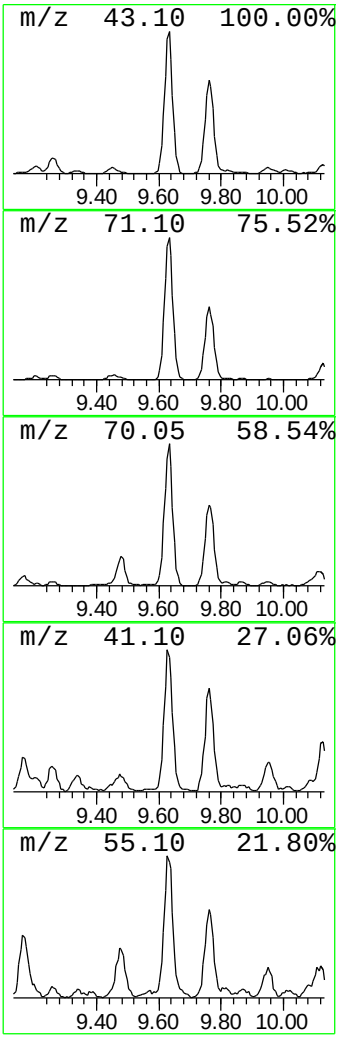
****

Peak Number 7 Pentane, 2,3,4-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	24.36 ug/l	330372	1,4-Difluorobenzene	8.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
3	Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
4	Butane, 1,1'-oxybis[3-methyl-	158	C10H22O	000544-01-4	74
5	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY022120\
Data File : VY001753.D
Acq On : 21 Feb 2020 19:09
Operator : SY/MD
Sample : L1650-03
Misc : 8.52G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EP-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260

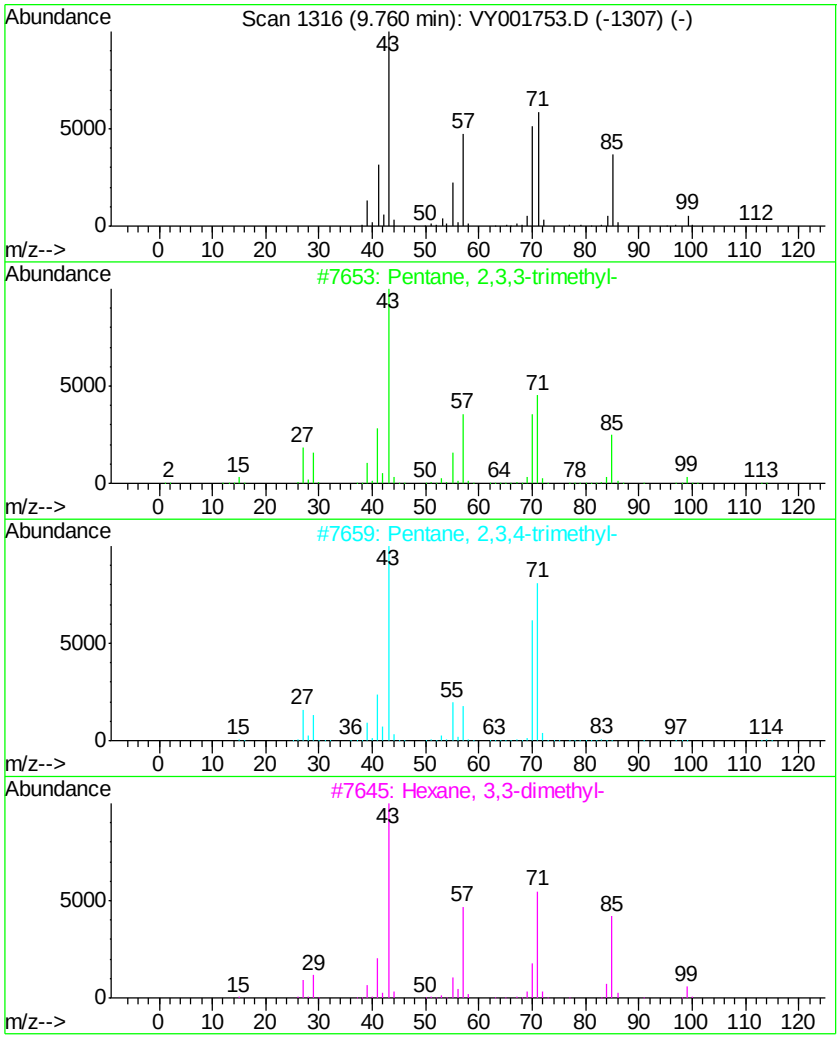
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

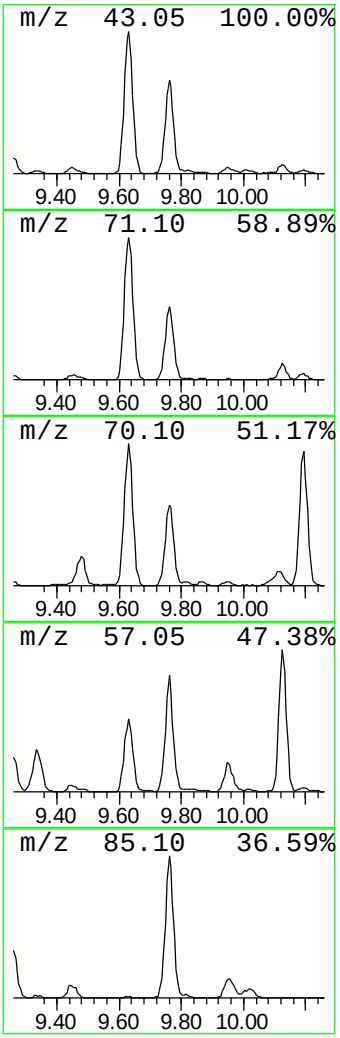
****

Peak Number 8 Pentane, 2,3,3-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	18.32 ug/l	248538	1,4-Difluorobenzene	8.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	59
3	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	59
4	Pyrrolidine	71	C4H9N	000123-75-1	53
5	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY022120\
Data File : VY001753.D
Acq On : 21 Feb 2020 19:09
Operator : SY/MD
Sample : L1650-03
Misc : 8.52G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EP-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
Quant Title : SW846 8260

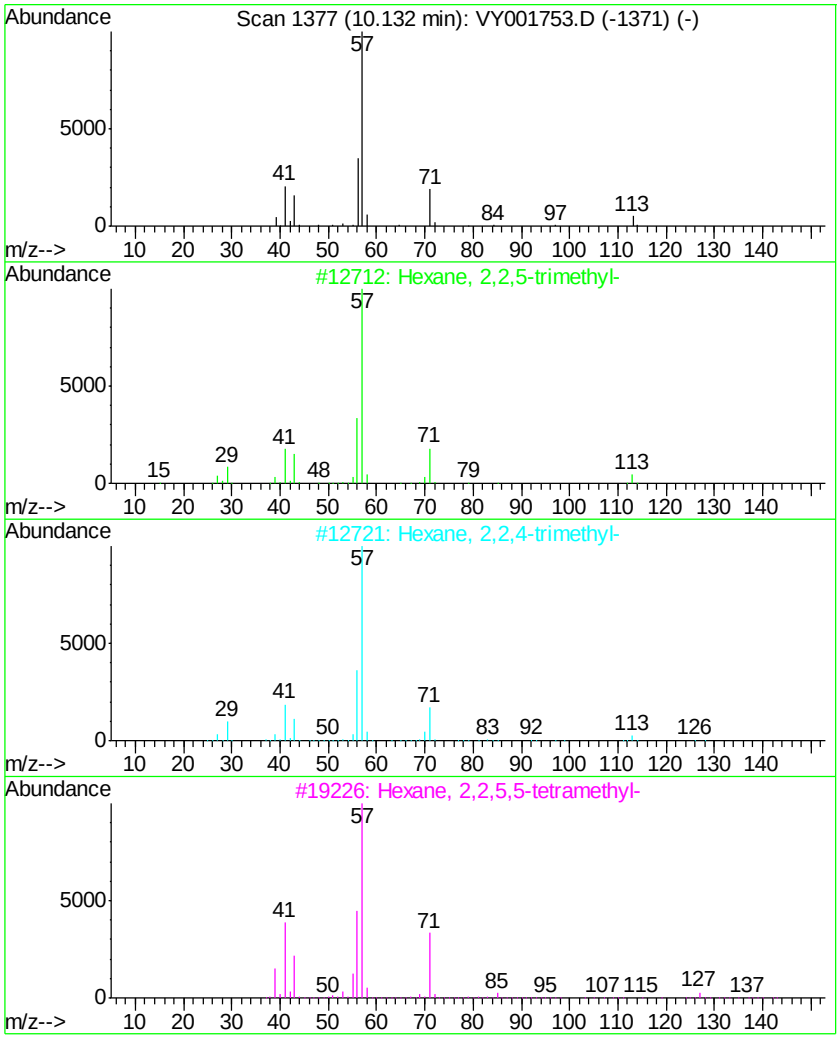
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

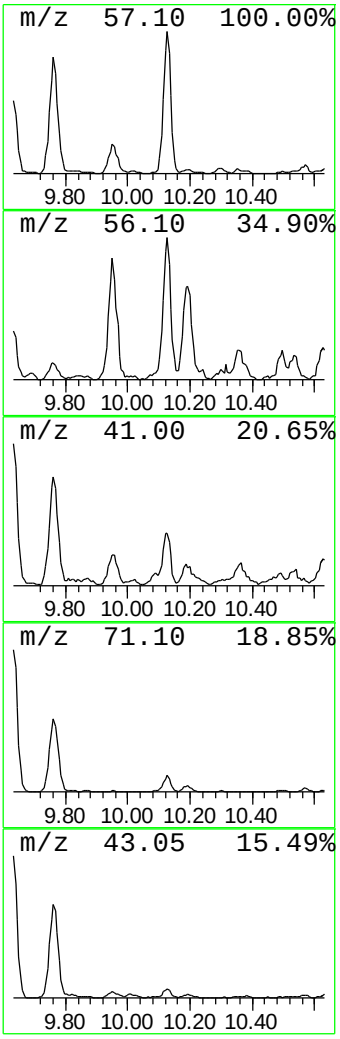
****

Peak Number 9 Hexane, 2,2,5-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	5.12 ug/l	82962	Chlorobenzene-d5	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	78
2	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	72
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	64
4	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	53
5	Sulfurous acid, 2-ethylhexyl iso...	250	C12H26O3S	1000309-18-7	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY022120\
Data File : VY001753.D
Acq On : 21 Feb 2020 19:09
Operator : SY/MD
Sample : L1650-03
Misc : 8.52G/5ML/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : EP-3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.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
Pentane, 3-methyl-	5.29	5.8	ug/l	54635	1	7.82	468647	50.0
Pentane, 2,4-dime...	6.72	8.7	ug/l	81460	1	7.82	468647	50.0
Pentane, 2,3-dime...	7.89	19.6	ug/l	183442	1	7.82	468647	50.0
Hexane, 2,2-dimet...	8.35	72.0	ug/l	976338	2	8.71	678153	50.0
Cyclopentane, 1,1...	9.16	5.5	ug/l	74101	2	8.71	678153	50.0
Pentane, 2,3,4-tr...	9.63	24.4	ug/l	330372	2	8.71	678153	50.0
Pentane, 2,3,3-tr...	9.76	18.3	ug/l	248538	2	8.71	678153	50.0
Hexane, 2,2,5-tri...	10.13	5.1	ug/l	82962	3	11.50	809760	50.0