LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\
Data File : VW007810.D
Acq On : 21 Dec 2018 22:00
Operator : SY/AP
Sample : J6392-17
Misc : 5.91G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KY001SB106-121218-(8-10)

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_W\METHOD\82W122118S.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	4.117	355	363	376	rVB	2570	6792	1.52%	0.146%
2	4.922	479	495	513	rBV7	8168	43548	9.76%	0.934%
3	5.422	565	577	591	rBV3	10263	36603	8.20%	0.785%
4	6.720	781	790	794	rBV4	1632	4723	1.06%	0.101%
5	6.866	803	814	827	rBV3	10003	33876	7.59%	0.726%
6	7.147	853	860	873	rVB3	2446	7279	1.63%	0.156%
7	7.696	942	950	960	rVB5	1756	5129	1.15%	0.110%
8	7.885	971	981	985	rBV2	54056	128081	28.70%	2.746%
9	7.946	985	991	998	rVV	120114	274100	61.41%	5.877%
10	8.031	998	1005	1017	rVV2	39621	103917	23.28%	2.228%
11	8.153	1017	1025	1031	rVV3	10298	23292	5.22%	0.499%
12	8.305	1042	1050	1061	rVB	56042	126984	28.45%	2.723%
13	8.476	1061	1078	1103	rBB	131530	446348	100.00%	9.571%
14	8.842	1129	1138	1149	rBV	179544	347200	77.79%	7.445%
15	9.067	1169	1175	1180	rBV4	2196	4618	1.03%	0.099%
16	9.329	1204	1218	1223	rBV2	31658	81915	18.35%	1.756%
17	9.384	1223	1227	1234	rVV	28695	54720	12.26%	1.173%
18	9.464	1235	1240	1244	rVV2	3971	7942	1.78%	0.170%
19	9.512	1244	1248	1253	rVV3	2925	5607	1.26%	0.120%
20	9.610	1253	1264	1271	rVV5	7000	18536	4.15%	0.397%
21	9.756	1281	1288	1300	rVB	62336	132722	29.74%	2.846%
22	9.896	1300	1311	1323	rBV2	61473	147902	33.14%	3.171%
23	9.994	1323	1327	1334	rVB6	3850	8558	1.92%	0.184%
24	10.079	1334	1341	1346	rBV4	9611	25456	5.70%	0.546%
25	10.122	1346	1348	1357	rVB2	7468	12619	2.83%	0.271%
26	10.250	1357	1369	1374	rBV2	19718	39040	8.75%	0.837%
27	10.323	1374	1381	1387	rBV	242240	434785	97.41%	9.323%
28	10.384	1387	1391	1398	rVV	87684	157126	35.20%	3.369%
29	10.445	1398	1401	1404	rVV3	4484	6534	1.46%	0.140%
30	10.488	1404	1408	1417	rVB6	6838	18615	4.17%	0.399%
31	10.665	1432	1437	1441	rBV2	4267	7588	1.70%	0.163%
32	10.744	1445	1450	1462	rVB7	13227	37364	8.37%	0.801%
33	10.847	1462	1467	1472	rVB4	7183	12203	2.73%	0.262%
34	10.939	1473	1482	1488	rBV4	6043	12312	2.76%	0.264%

LSC Area Percent Report

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Operator : SY/AP
Sample : J6392-17
Misc : 5.91G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KY001SB106-121218-(8-10)

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

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Peak separation: 5

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Title : SW846 8260

35	11.036	1488	1498	1506	rBV3	10223	30418	6.81%	0.652%
36	11.225	1526	1529	1534	rVB4	4043	6508	1.46%	0.140%
37	11.341	1543	1548	1551	rBV5	5399	9847	2.21%	0.211%
38	11.378	1551	1554	1560	rVV3	4458	8869	1.99%	0.190%
39	11.433	1561	1563	1571	rVB4	3253	6747	1.51%	0.145%
40	11.506	1571	1575	1580	rBV	4819	9324	2.09%	0.200%
41	11.634	1588	1596	1603	rBV	234074	398068	89.18%	8.536%
42	11.731	1608	1612	1616	rVB2	4759	7910	1.77%	0.170%
43	11.841	1621	1630	1633	rVV3	5908	16730	3.75%	0.359%
44	11.878	1633	1636	1640	rVV5	7305	11830	2.65%	0.254%
45	11.920	1640	1643	1648	rVB5	2961	4643	1.04%	0.100%
46	12.067	1654	1667	1672	rBV4	3607	8737	1.96%	0.187%
47	12.140	1672	1679	1681	rBV4	6428	11386	2.55%	0.244%
48	12.250	1691	1697	1702	rVB2	4781	9424	2.11%	0.202%
49	12.341	1702	1712	1714	rBV7	4768	10889	2.44%	0.233%
50	12.469	1727	1733	1738	rBV	41369	67239	15.06%	1.442%
51	12.506	1738	1739	1748	rVB6	3200	5907	1.32%	0.127%
52	12.622	1748	1758	1766	rVB	170088	289281	64.81%	6.203%
53	12.804	1783	1788	1794	rVB	30670	48200	10.80%	1.034%
54	12.945	1806	1811	1817	rVB6	3000	5886	1.32%	0.126%
55	13.109	1830	1838	1845	rBV3	4006	10472	2.35%	0.225%
56	13.384	1874	1883	1891	rBV3	7670	20109	4.51%	0.431%
57	13.560	1905	1912	1923	rBV	251595	402693	90.22%	8.635%
58	13.652	1923	1927	1933	rVB2	6327	9516	2.13%	0.204%
59	13.725	1933	1939	1941	rBV	22789	34338	7.69%	0.736%
60	13.762	1941	1945	1950	rVV	39762	64809	14.52%	1.390%
61	13.810	1950	1953	1961	rVV3	4873	9918	2.22%	0.213%
62	13.884	1961	1965	1970	rVV4	5649	8286	1.86%	0.178%
63	14.103	1992	2001	2006	rVV2	52988	91054	20.40%	1.952%
64	14.164	2006	2011	2014	rVV2	5135	8065	1.81%	0.173%
65	14.213	2014	2019	2024	rVV2	22878	38180	8.55%	0.819%
66	14.426	2045	2054	2060	rVB	40304	67599	15.14%	1.449%
67	14.505	2063	2067	2069	rBV2	5247	7791	1.75%	0.167%
68	14.536	2069	2072	2076	rVV5	4409	7348	1.65%	0.158%
69	14.737	2101	2105	2110	rVB3	3948	6233	1.40%	0.134%
70	14.798	2110	2115	2122	rBV	18985	30914	6.93%	0.663%
71	14.865	2122	2126	2132	rVV	4292	7153	1.60%	0.153%

LSC Area Percent Report

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Operator : SY/AP
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Misc : 5.91G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KY001SB106-121218-(8-10)

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
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Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Title : SW846 8260

72	15.072	2153	2160	2164	rBV2	9679	16770	3.76%	0.360%
73	15.115	2164	2167	2172	rVV3	4799	8156	1.83%	0.175%
74	15.182	2172	2178	2186	rVV3	9158	20476	4.59%	0.439%
75	15.810	2275	2281	2287	rBV4	3533	6704	1.50%	0.144%
76	15.956	2300	2305	2313	rBV6	2076	5155	1.15%	0.111%

Sum of corrected areas: 4663616

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\
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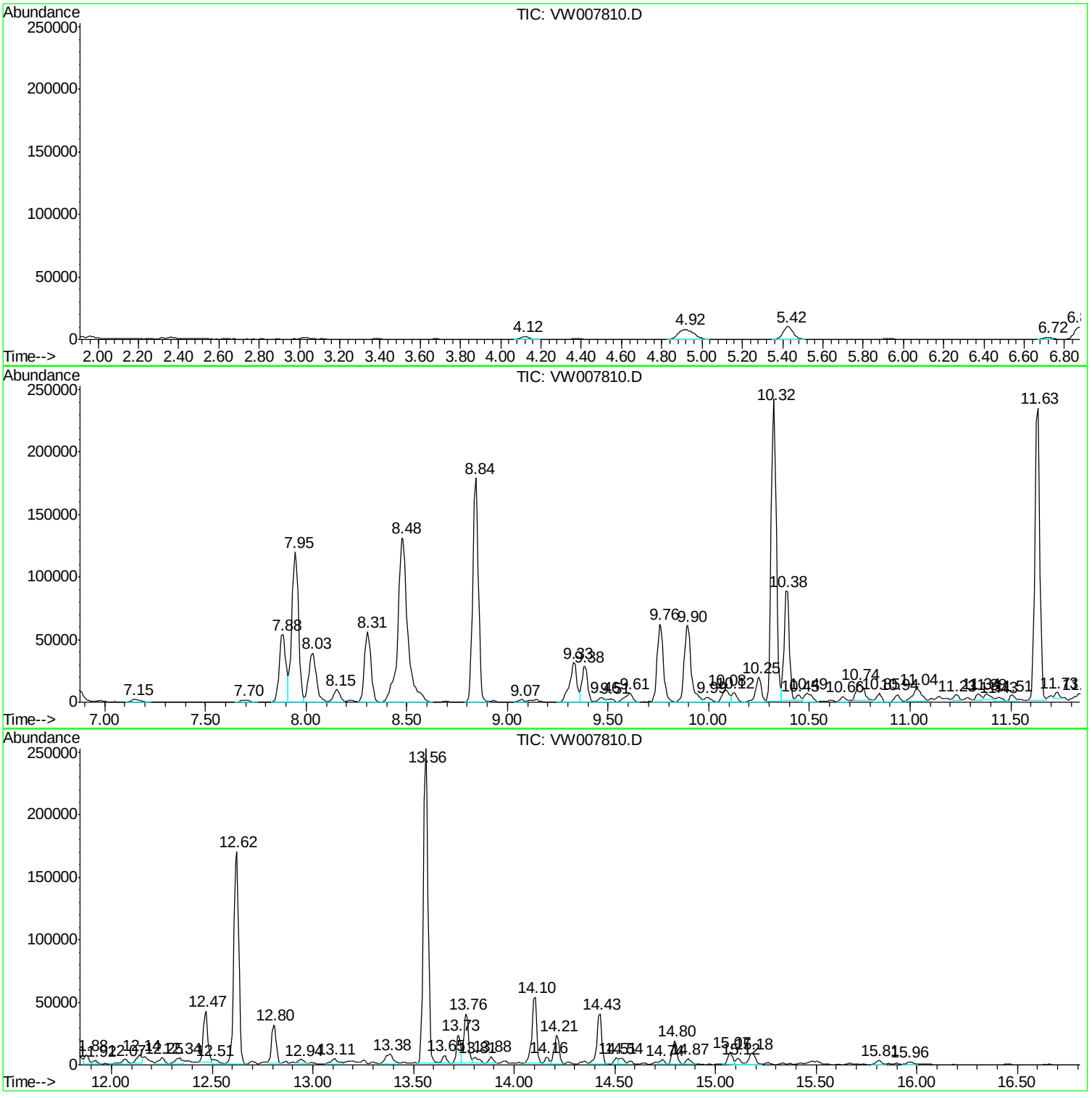
Misc : 5.91G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
KY001SB106-121218-(8-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.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 W\DATA\VW122318\
Data File : VW007810.D
Acq On : 21 Dec 2018 22:00
Operator : SY/AP
Sample : J6392-17
Misc : 5.91G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KY001SB106-121218-(8-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

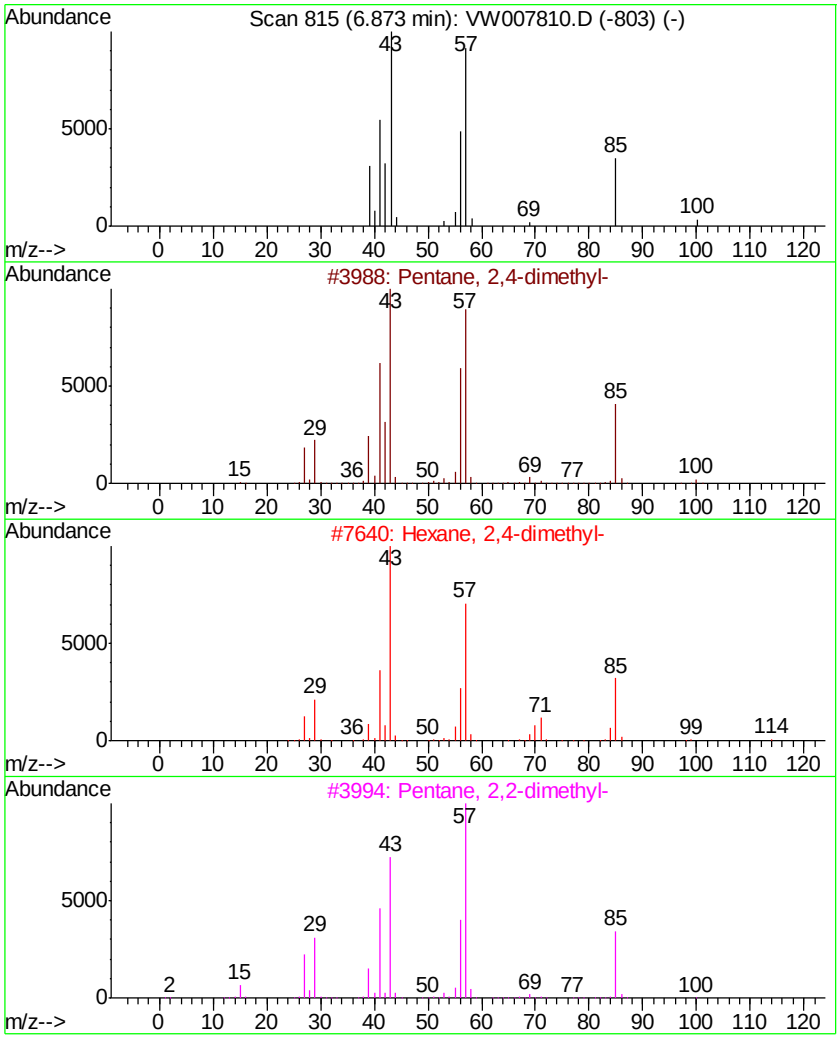
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

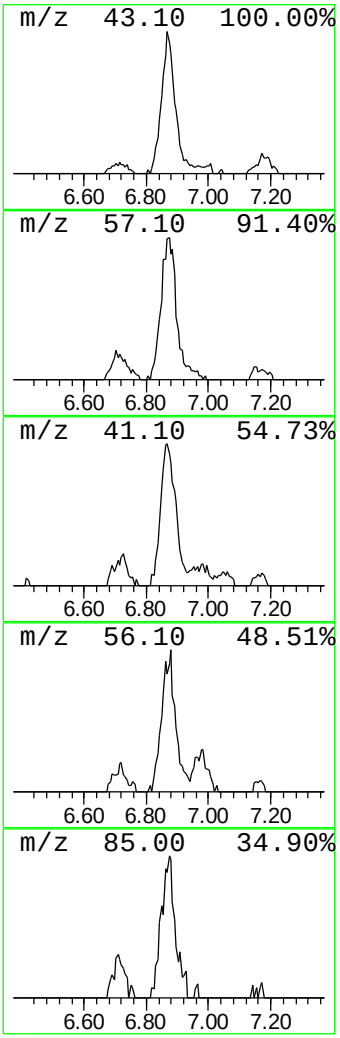
****

Peak Number 2 Pentane, 2,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.87	6.18 ug/l	33876	Pentafluorobenzene	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,4-dimethyl-	100	C7H16	000108-08-7	90
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	72
3	Pentane, 2,2-dimethyl-	100	C7H16	000590-35-2	59
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	45
5	Hexyl isobutyl carbonate	202	C11H22O3	959067-98-2	42





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\
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Acq On : 21 Dec 2018 22:00
Operator : SY/AP
Sample : J6392-17
Misc : 5.91G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KY001SB106-121218-(8-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

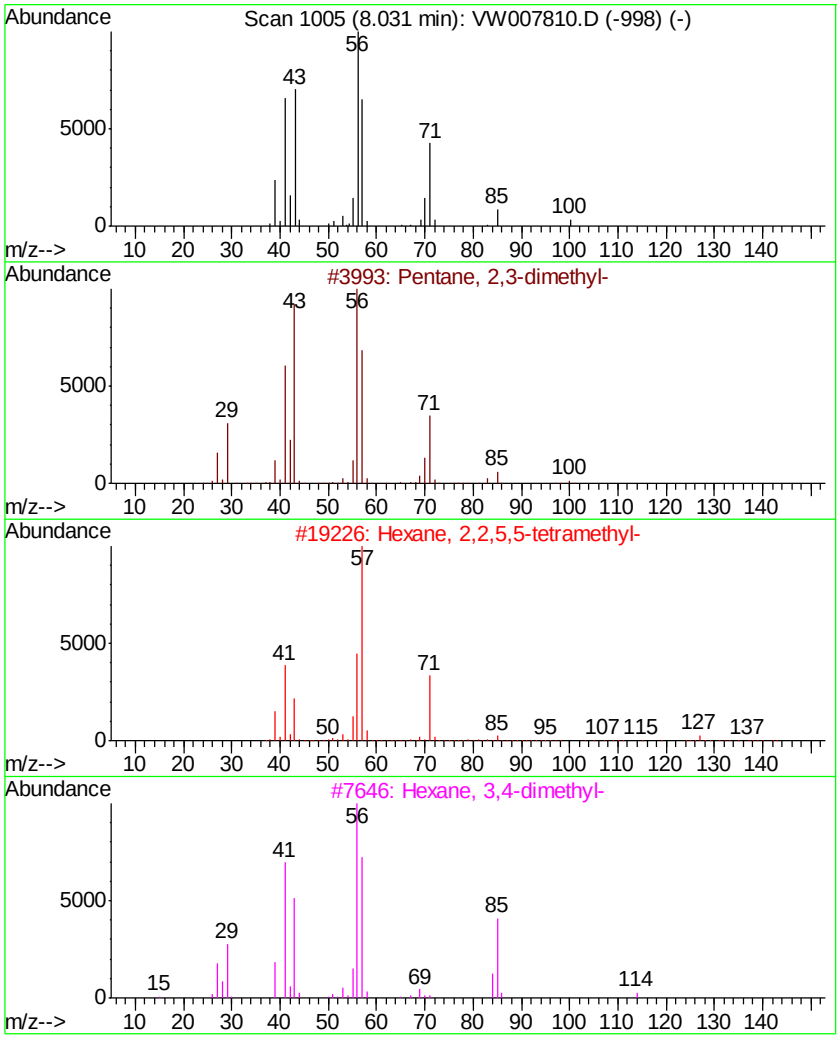
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

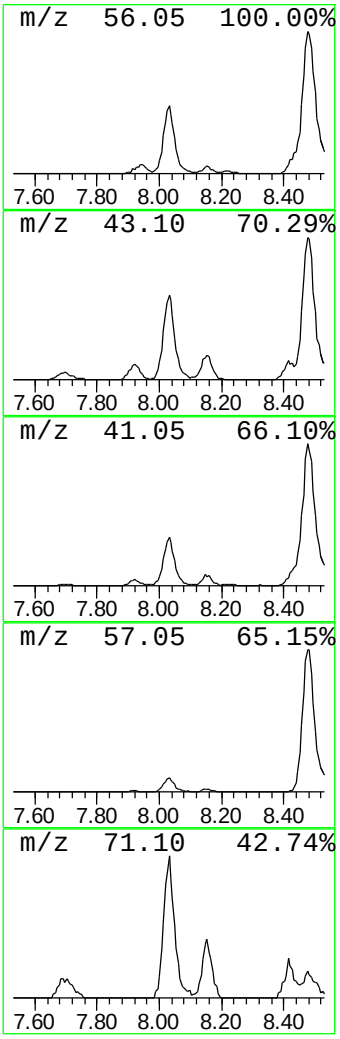
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	18.96 ug/l	103917	Pentafluorobenzene	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	72
3	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	50
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	43
5	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\
Data File : VW007810.D
Acq On : 21 Dec 2018 22:00
Operator : SY/AP
Sample : J6392-17
Misc : 5.91G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KY001SB106-121218-(8-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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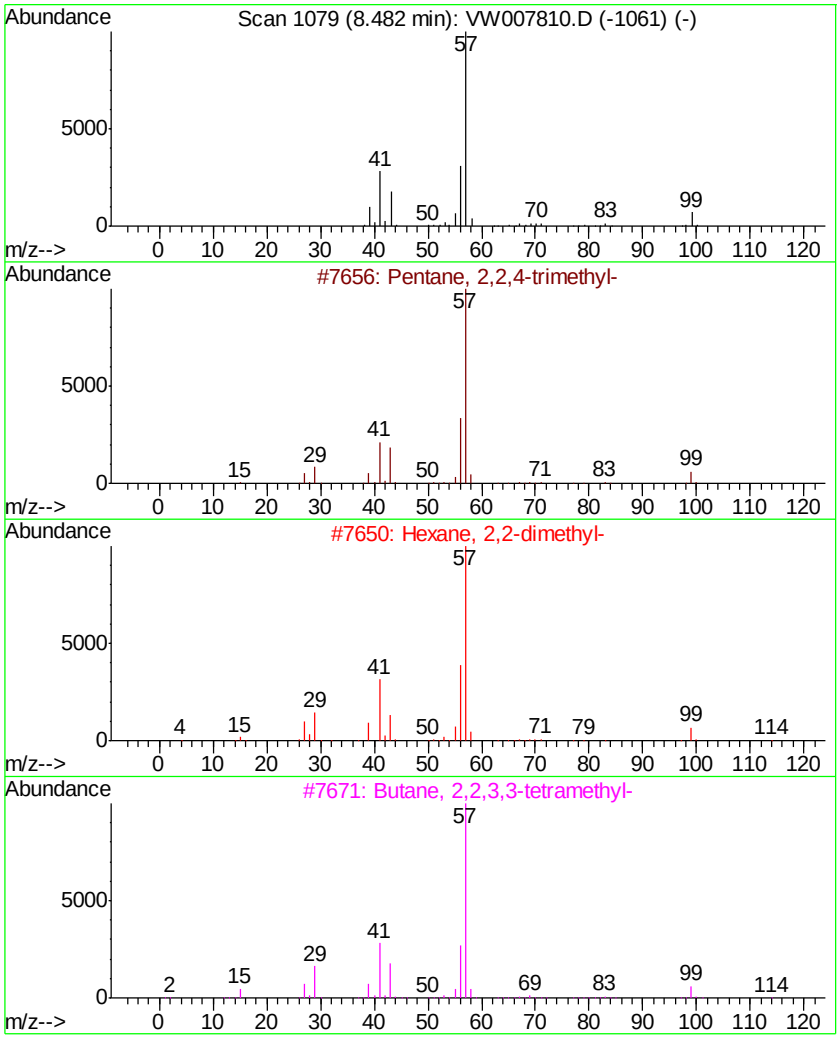
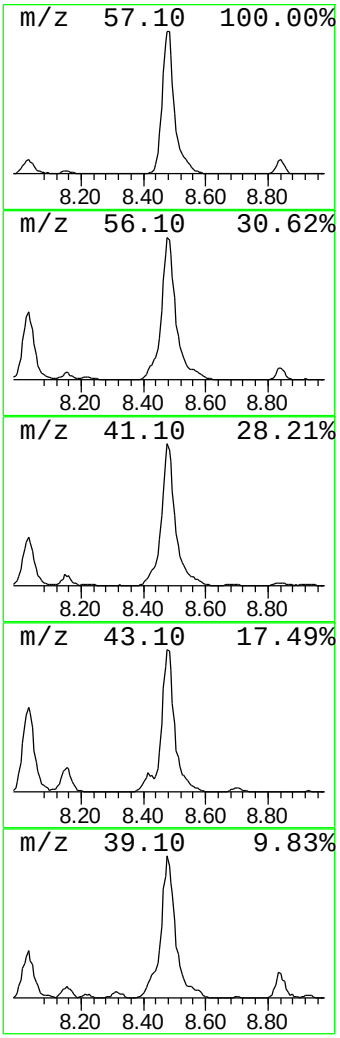
****

Peak Number 4 Pentane, 2,2,4-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	64.28 ug/l	446348	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	78
2	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
4	Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
5	Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122318\
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ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KY001SB106-121218-(8-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

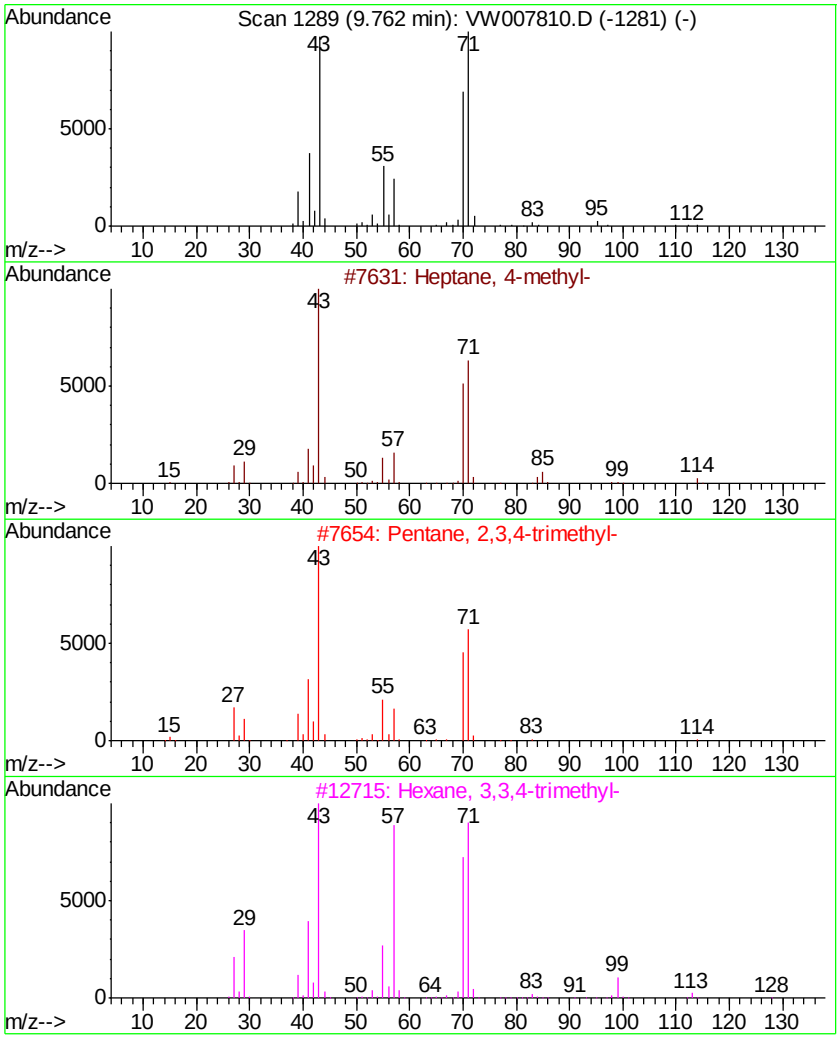
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

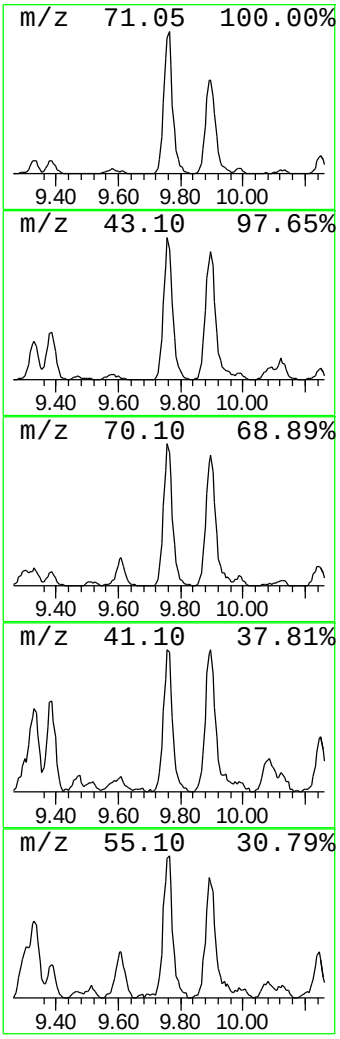
****

Peak Number 5 Heptane, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	19.11 ug/l	132722	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 4-methyl-	114	C8H18	000589-53-7	83
2	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	83
3	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	74
4	Pentane, 3-ethyl-	100	C7H16	000617-78-7	74
5	3,3-Dimethyl-2-pentanol	116	C7H16O	019781-24-9	74





Library Search Compound Report

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ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KY001SB106-121218-(8-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

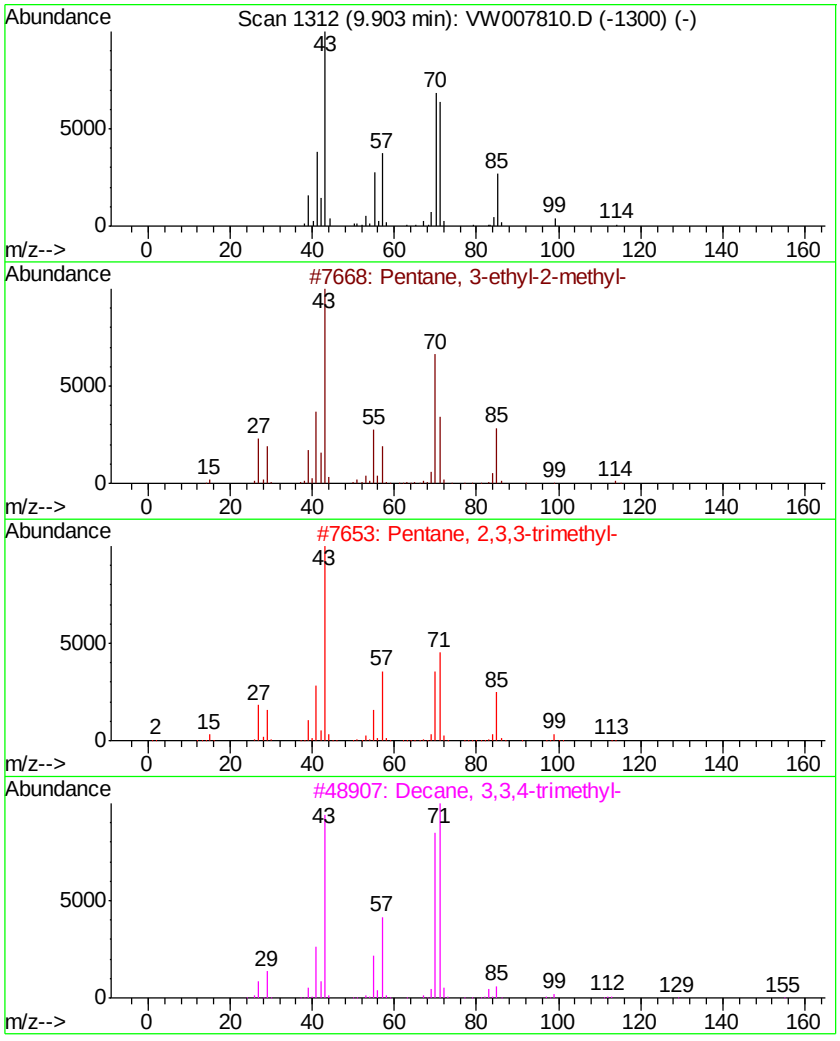
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

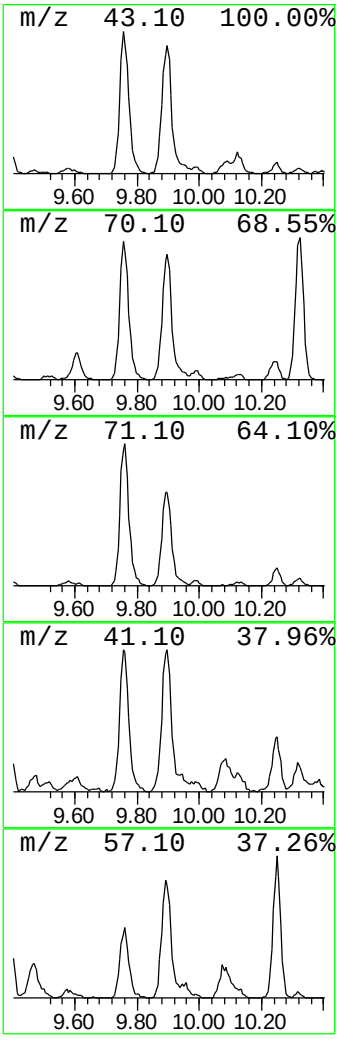
****

Peak Number 6 Pentane, 3-ethyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	21.30 ug/l	147902	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	81
2	Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	78
3	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	72
4	3,4-Diethyl hexane	142	C10H22	019398-77-7	64
5	Heptane, 3-ethyl-4-methyl-	142	C10H22	052896-91-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122318\
Data File : VW007810.D
Acq On : 21 Dec 2018 22:00
Operator : SY/AP
Sample : J6392-17
Misc : 5.91G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KY001SB106-121218-(8-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

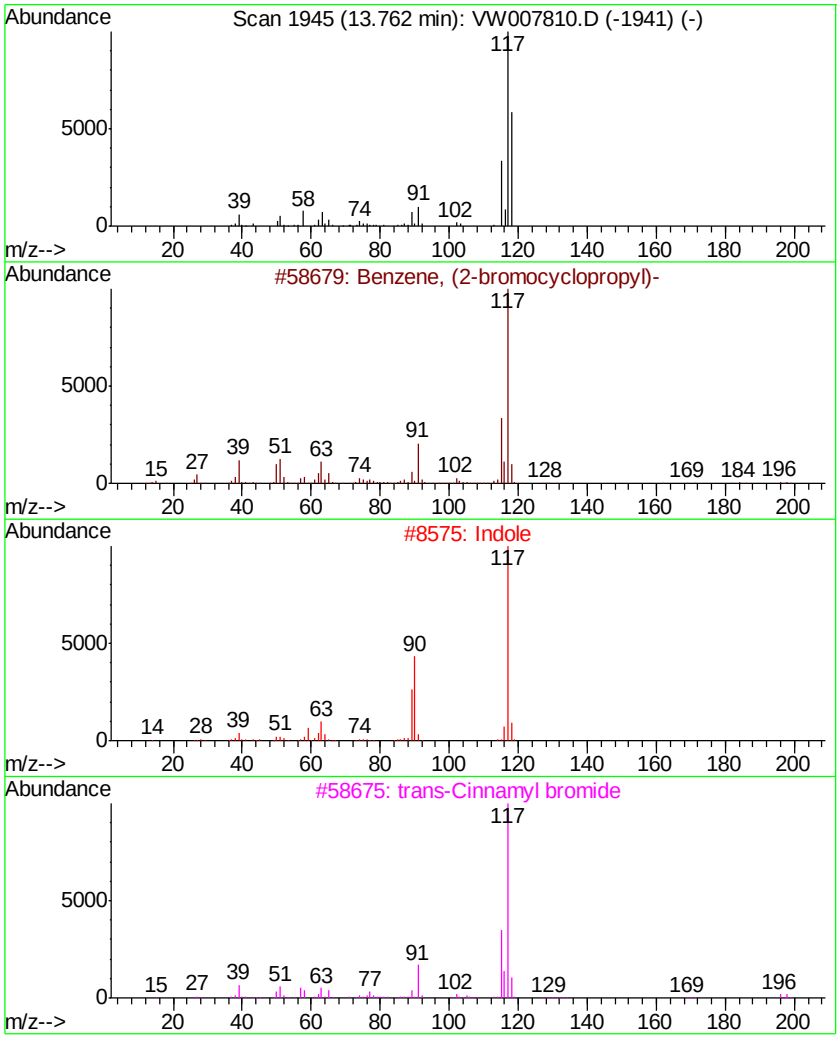
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

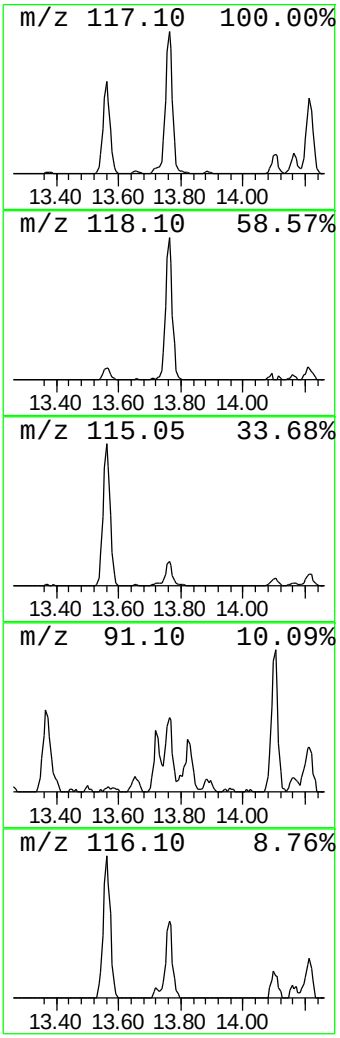
****

Peak Number 7 unknown13.76 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	8.05 ug/l	64809	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	45
2	Indole	117	C8H7N	000120-72-9	43
3	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	42
4	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	40
5	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	36





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Data File : VW007810.D
Acq On : 21 Dec 2018 22:00
Operator : SY/AP
Sample : J6392-17
Misc : 5.91G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KY001SB106-121218-(8-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

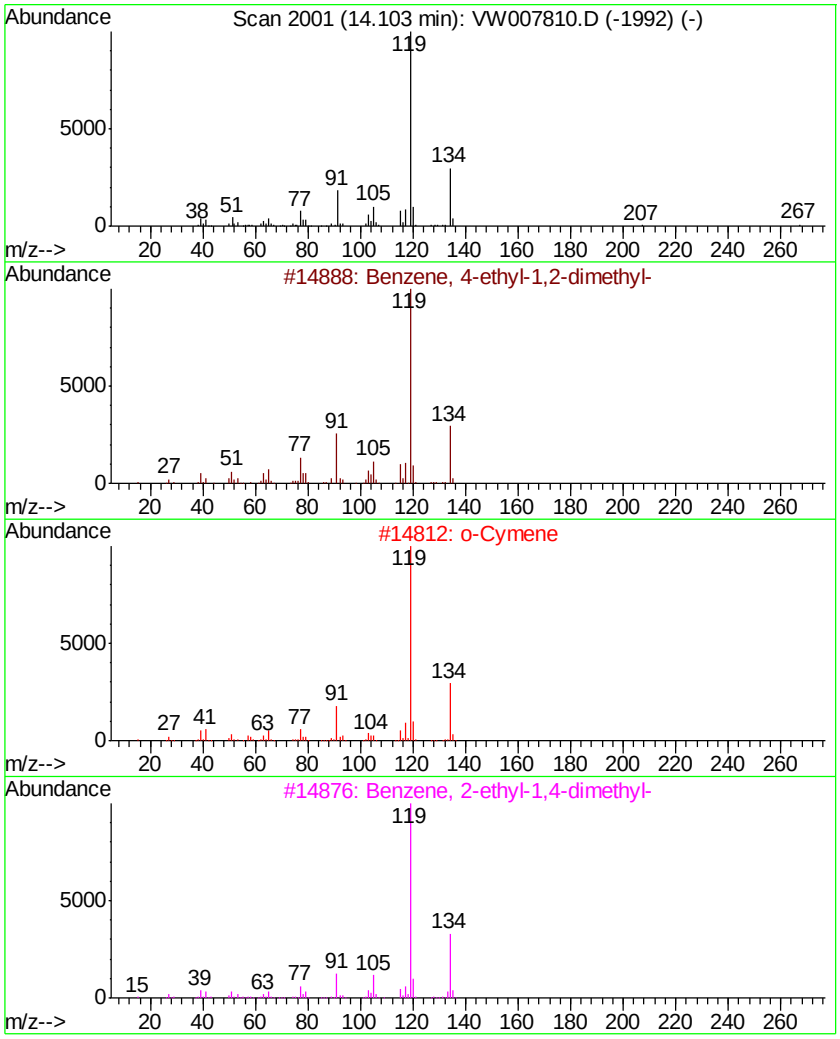
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

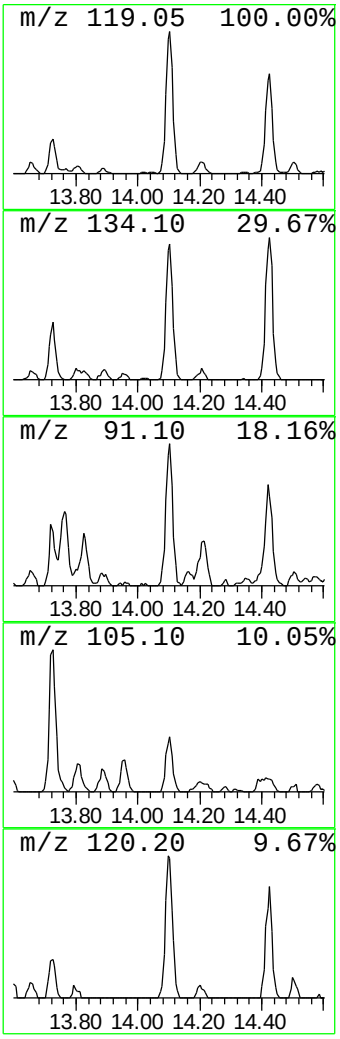
****

Peak Number 8 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	11.31 ug/l	91054	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122318\
Data File : VW007810.D
Acq On : 21 Dec 2018 22:00
Operator : SY/AP
Sample : J6392-17
Misc : 5.91G/5ML/MSVOA W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KY001SB106-121218-(8-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.M
Quant Title : SW846 8260

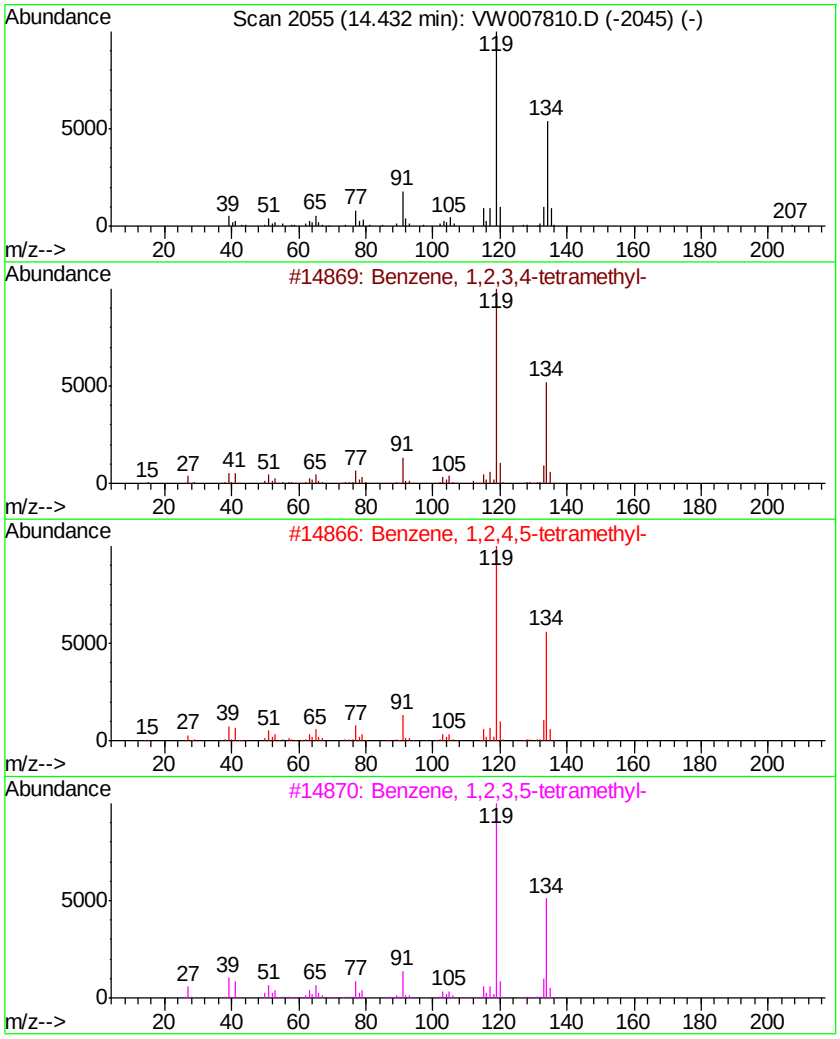
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

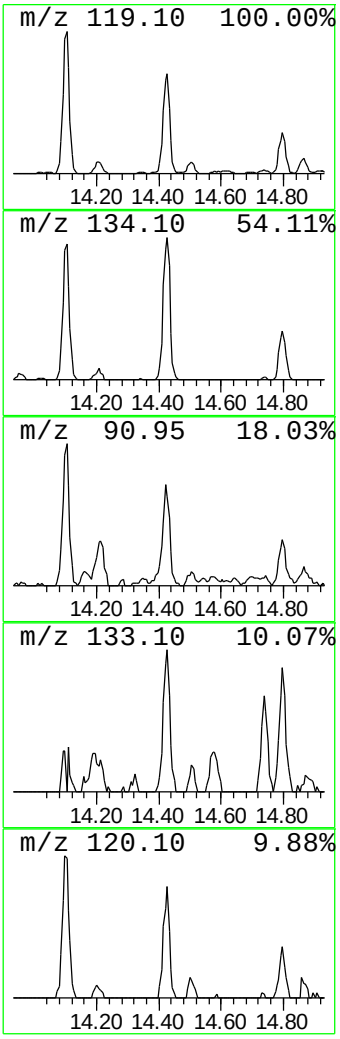
****

Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.43	8.39 ug/l	67599	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122318\
Data File : VW007810.D
Acq On : 21 Dec 2018 22:00
Operator : SY/AP
Sample : J6392-17
Misc : 5.91G/5ML/MSVOA_W/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : KY001SB106-121218-(8-10)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W122118S.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, 2,4-dime...	6.87	6.2	ug/l	33876	1	7.95	274100	50.0
Pentane, 2,3-dime...	8.03	19.0	ug/l	103917	1	7.95	274100	50.0
Pentane, 2,2,4-tr...	8.48	64.3	ug/l	446348	2	8.84	347200	50.0
Heptane, 4-methyl-	9.76	19.1	ug/l	132722	2	8.84	347200	50.0
Pentane, 3-ethyl-...	9.90	21.3	ug/l	147902	2	8.84	347200	50.0
unknown13.76	13.76	8.1	ug/l	64809	4	13.56	402693	50.0
Benzene, 4-ethyl-...	14.10	11.3	ug/l	91054	4	13.56	402693	50.0
Benzene, 1,2,3,4-...	14.43	8.4	ug/l	67599	4	13.56	402693	50.0