LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
Data File : VW008837.D
Acq On : 26 Feb 2019 18:11
Operator : SY/VA
Sample : K1594-26
Misc : 6.69G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : B-2B(21-22)

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\82W022119S.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	2.172	39	44	48	rBV	146914	185068	3.60%	0.356%
2	2.355	66	74	84	rBV	481258	747779	14.53%	1.437%
3	3.032	176	185	196	rVB	2456842	5147611	100.00%	9.893%
4	3.306	223	230	235	rBV	68508	140391	2.73%	0.270%
5	3.391	235	244	260	rVB	1492727	3475908	67.52%	6.680%
6	3.580	268	275	290	rVB	210594	509134	9.89%	0.978%
7	3.751	295	303	310	rVV2	55579	141554	2.75%	0.272%
8	3.843	310	318	329	rVB2	127126	318892	6.19%	0.613%
9	4.099	348	360	374	rVB4	76582	273954	5.32%	0.526%
10	4.769	457	470	478	rBV5	25187	105023	2.04%	0.202%
11	4.952	478	500	516	rBV	779812	3828241	74.37%	7.357%
12	5.434	561	579	596	rBV	541220	1810708	35.18%	3.480%
13	5.757	621	632	648	rVB4	72326	272555	5.29%	0.524%
14	5.940	648	662	673	rBV2	565346	1691279	32.86%	3.250%
15	6.104	676	689	699	rBV3	64109	195487	3.80%	0.376%
16	6.220	699	708	714	rBV3	81941	255087	4.96%	0.490%
17	6.287	714	719	731	rVB	103798	290105	5.64%	0.558%
18	6.427	731	742	751	rBV3	87463	267808	5.20%	0.515%
19	6.562	751	764	771	rBV2	41360	155124	3.01%	0.298%
20	6.726	780	791	803	rBV3	115628	346486	6.73%	0.666%
21	6.873	803	815	824	rVV2	222224	677658	13.16%	1.302%
22	6.982	824	833	842	rVV	398398	1187824	23.08%	2.283%
23	7.049	842	844	853	rVV2	36433	73191	1.42%	0.141%
24	7.153	853	861	871	rVB	77737	214562	4.17%	0.412%
25	7.622	930	938	943	rBV5	25622	70109	1.36%	0.135%
26	7.696	943	950	958	rVB3	99178	242485	4.71%	0.466%
27	7.946	970	991	998	rBV4	776146	3143219	61.06%	6.041%
28	8.031	998	1005	1015	rVB2	476033	1189280	23.10%	2.286%
29	8.153	1015	1025	1033	rBV	491931	1125910	21.87%	2.164%
30	8.256	1033	1042	1045	rBV	76947	181220	3.52%	0.348%
31	8.305	1045	1050	1062	rVB	258458	565180	10.98%	1.086%
32	8.476	1062	1078	1089	rBV	906412	2861322	55.59%	5.499%
33	8.573	1089	1094	1103	rVB2	112727	280224	5.44%	0.539%
34	8.695	1104	1114	1127	rVB	374545	861342	16.73%	1.655%

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Misc : 6.69G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : B-2B(21-22)

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\82W022119S.M
Title : SW846 8260

35	8.842	1127	1138	1144	rBV	853625	1857828	36.09%	3.570%
36	8.994	1158	1163	1169	rVB	48406	89473	1.74%	0.172%
37	9.110	1169	1182	1196	rVB5	71849	259042	5.03%	0.498%
38	9.329	1203	1218	1224	rBV	439467	1167952	22.69%	2.245%
39	9.384	1224	1227	1235	rVB2	155590	267754	5.20%	0.515%
40	9.464	1235	1240	1244	rBV	49277	100819	1.96%	0.194%
41	9.518	1244	1249	1254	rVB	67781	127871	2.48%	0.246%
42	9.610	1254	1264	1270	rVB3	60031	134128	2.61%	0.258%
43	9.756	1281	1288	1298	rVB	436056	861515	16.74%	1.656%
44	9.890	1298	1310	1316	rBV2	558387	1251711	24.32%	2.406%
45	9.957	1316	1321	1325	rBV	169613	293655	5.70%	0.564%
46	10.098	1335	1344	1356	rBV2	205137	488292	9.49%	0.938%
47	10.201	1356	1361	1364	rBV2	35889	66778	1.30%	0.128%
48	10.250	1364	1369	1374	rVB2	136659	243397	4.73%	0.468%
49	10.323	1374	1381	1388	rBV	1154299	2061347	40.04%	3.961%
50	10.384	1388	1391	1397	rVV	72658	143421	2.79%	0.276%
51	10.506	1404	1411	1417	rVB3	194206	392687	7.63%	0.755%
52	10.756	1445	1452	1463	rVV6	86476	282688	5.49%	0.543%
53	10.847	1463	1467	1472	rVB3	31480	54637	1.06%	0.105%
54	10.939	1473	1482	1487	rBV4	30825	67110	1.30%	0.129%
55	11.036	1487	1498	1506	rBV6	42162	164321	3.19%	0.316%
56	11.414	1552	1560	1571	rVB4	78136	222095	4.31%	0.427%
57	11.512	1571	1576	1581	rBV	58868	95691	1.86%	0.184%
58	11.628	1588	1595	1603	rBV	934575	1587477	30.84%	3.051%
59	11.731	1603	1612	1620	rVB	156914	265270	5.15%	0.510%
60	11.835	1621	1629	1639	rBV	682455	1306595	25.38%	2.511%
61	12.164	1673	1683	1691	rVB	231273	410288	7.97%	0.788%
62	12.469	1727	1733	1738	rBV	93594	157342	3.06%	0.302%
63	12.615	1748	1757	1767	rVB2	803779	1405446	27.30%	2.701%
64	12.804	1782	1788	1793	rVB2	44369	71455	1.39%	0.137%
65	12.865	1793	1798	1802	rBV	162801	279977	5.44%	0.538%
66	12.902	1802	1804	1807	rVV	77363	101106	1.96%	0.194%
67	12.945	1807	1811	1818	rVB	92198	152271	2.96%	0.293%
68	13.103	1828	1837	1844	rBV	118619	207131	4.02%	0.398%
69	13.256	1856	1862	1867	rBV	164937	258836	5.03%	0.497%
70	13.384	1875	1883	1890	rBV3	26960	61382	1.19%	0.118%
71	13.560	1904	1912	1925	rBV	975070	1615497	31.38%	3.105%

LSC Area Percent Report

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ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : B-2B(21-22)

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

Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Title : SW846 8260

72	13.719	1933	1938	1941	rBV2	35639	57448	1.12%	0.110%
73	13.798	1948	1951	1961	rVB4	28482	66225	1.29%	0.127%
74	14.097	1993	2000	2008	rVB2	76442	162781	3.16%	0.313%
75	14.213	2013	2019	2025	rVB	40283	67622	1.31%	0.130%
76	14.420	2048	2053	2058	rVB	61935	94012	1.83%	0.181%
77	14.810	2108	2117	2123	rBV3	53035	113597	2.21%	0.218%
78	15.188	2170	2179	2185	rVB4	26690	67351	1.31%	0.129%

Sum of corrected areas: 52035041

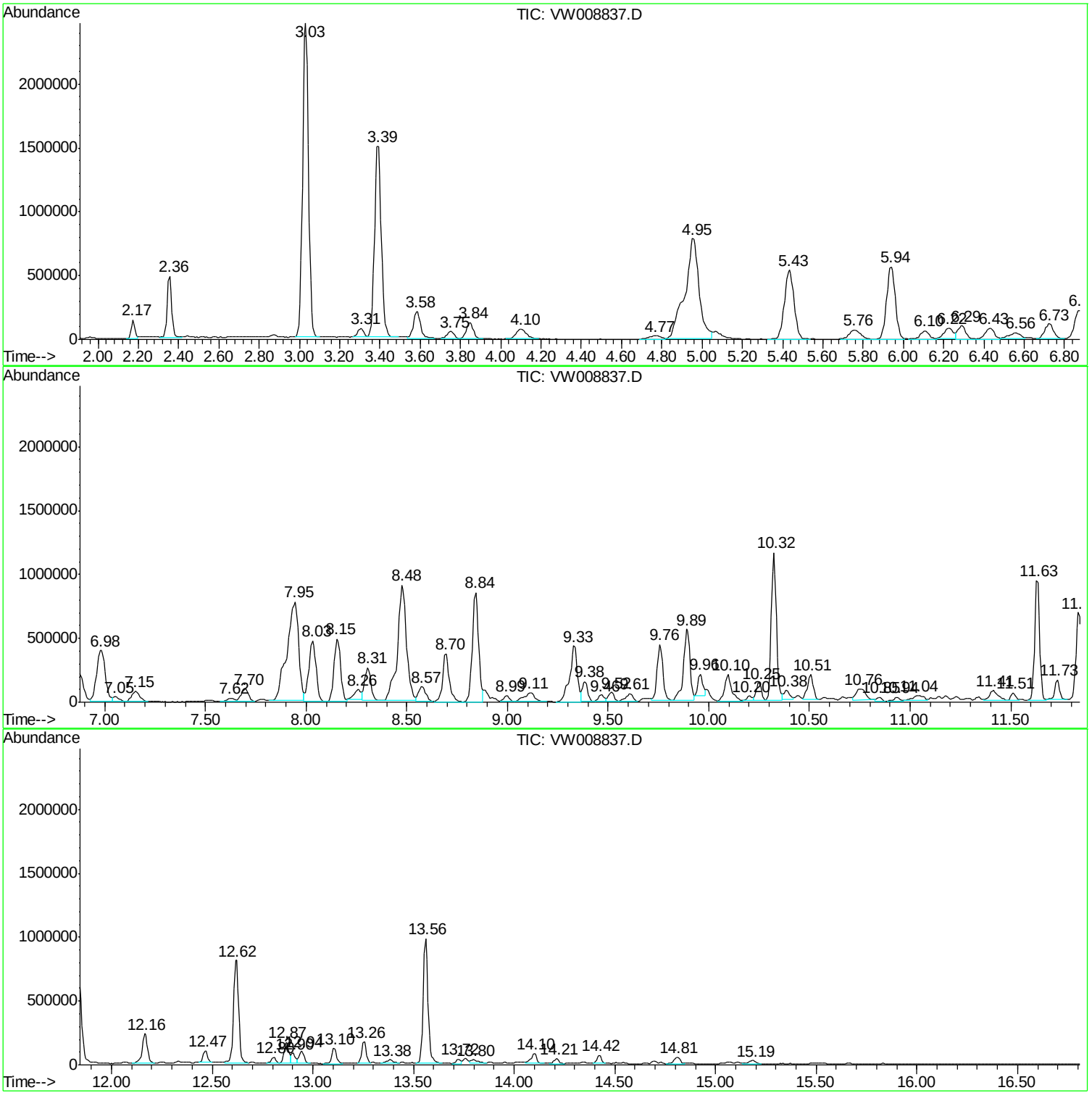
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
Data File : VW008837.D
Acq On : 26 Feb 2019 18:11
Operator : SY/VA
Sample : K1594-26
Misc : 6.69G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : B-2B(21-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.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\VW022619\
Data File : VW008837.D
Acq On : 26 Feb 2019 18:11
Operator : SY/VA
Sample : K1594-26
Misc : 6.69G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : B-2B(21-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

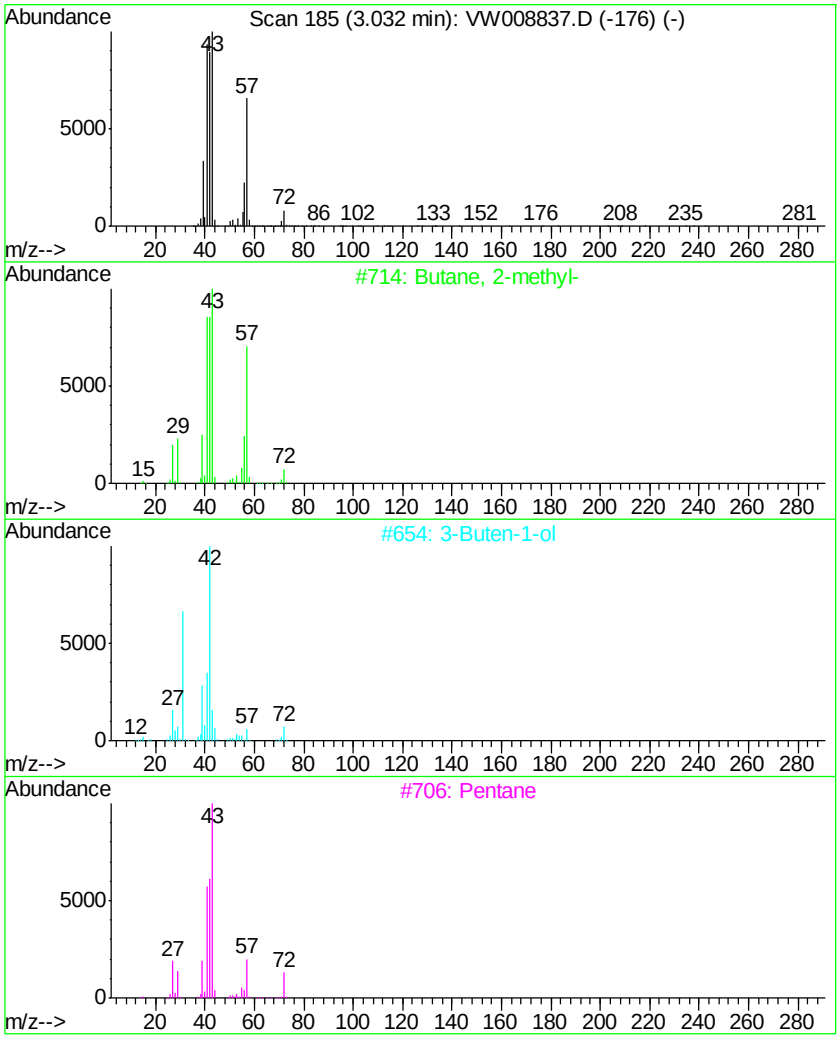
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

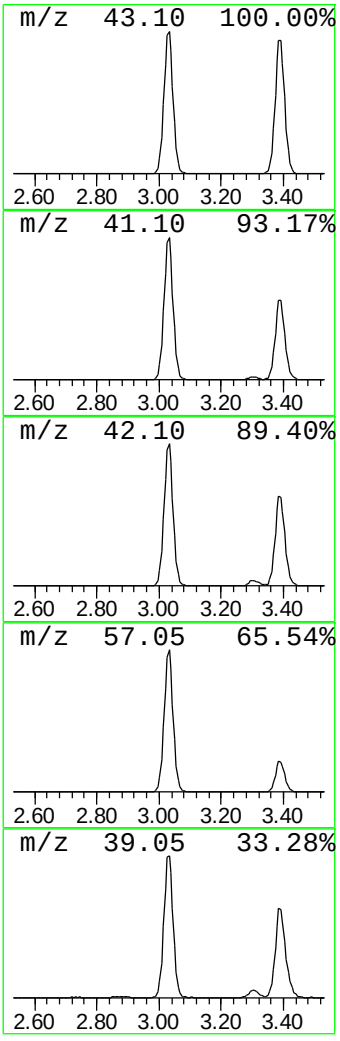
****

Peak Number 1 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.03	81.88 ug/l	5147610	Pentafluorobenzene	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	3-Buten-1-ol	72	C4H8O	000627-27-0	47
3	Pentane	72	C5H12	000109-66-0	36
4	Butane, 1-chloro-2-methyl-	106	C5H11Cl	000616-13-7	12
5	Azetidine	57	C3H7N	000503-29-7	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
Data File : VW008837.D
Acq On : 26 Feb 2019 18:11
Operator : SY/VA
Sample : K1594-26
Misc : 6.69G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : B-2B(21-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

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

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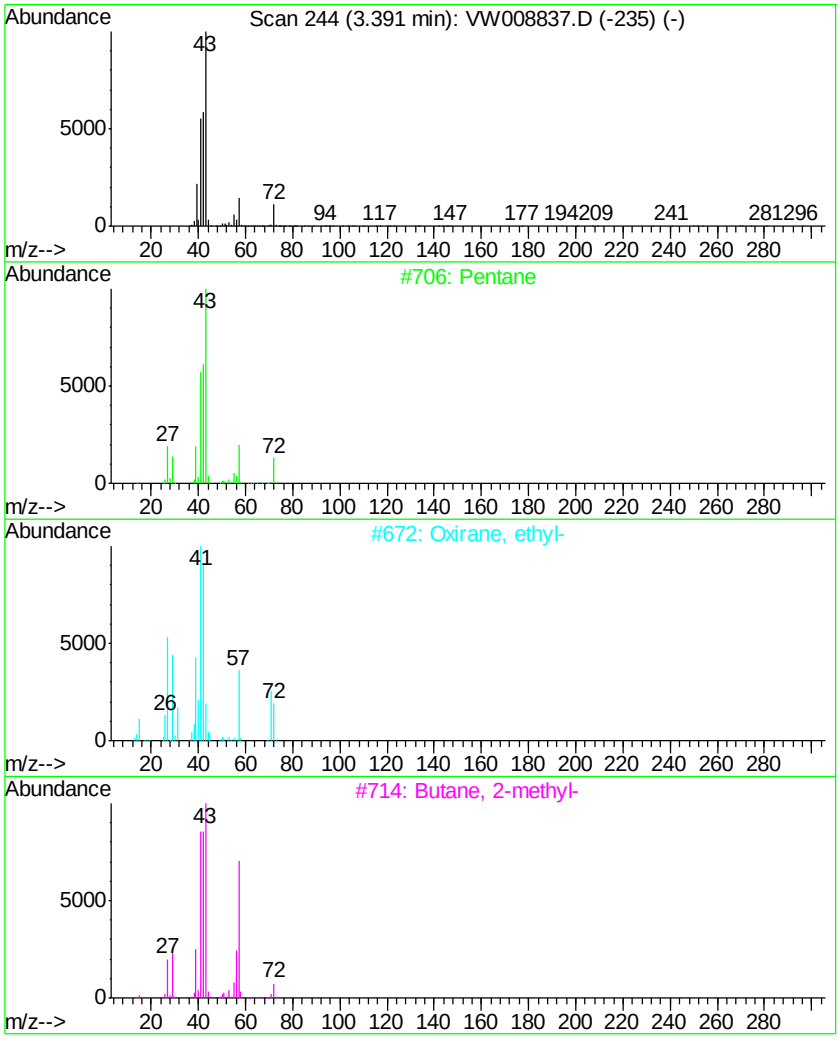
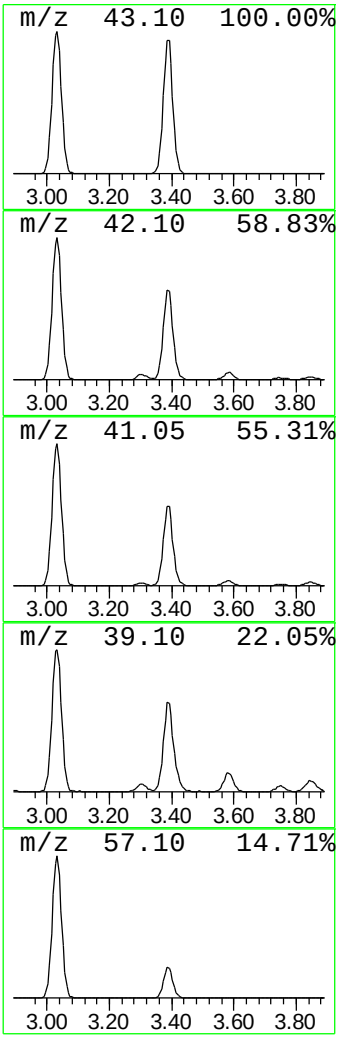
Peak Number 2 Pentane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	55.29 ug/l	3475910	Pentafluorobenzene	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	91
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	47
3	Butane, 2-methyl-	72	C5H12	000078-78-4	36
4	Cyclobutylamine	71	C4H9N	002516-34-9	9
5	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	9





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW022619\
Data File : VW008837.D
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Operator : SY/VA
Sample : K1594-26
Misc : 6.69G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : B-2B(21-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

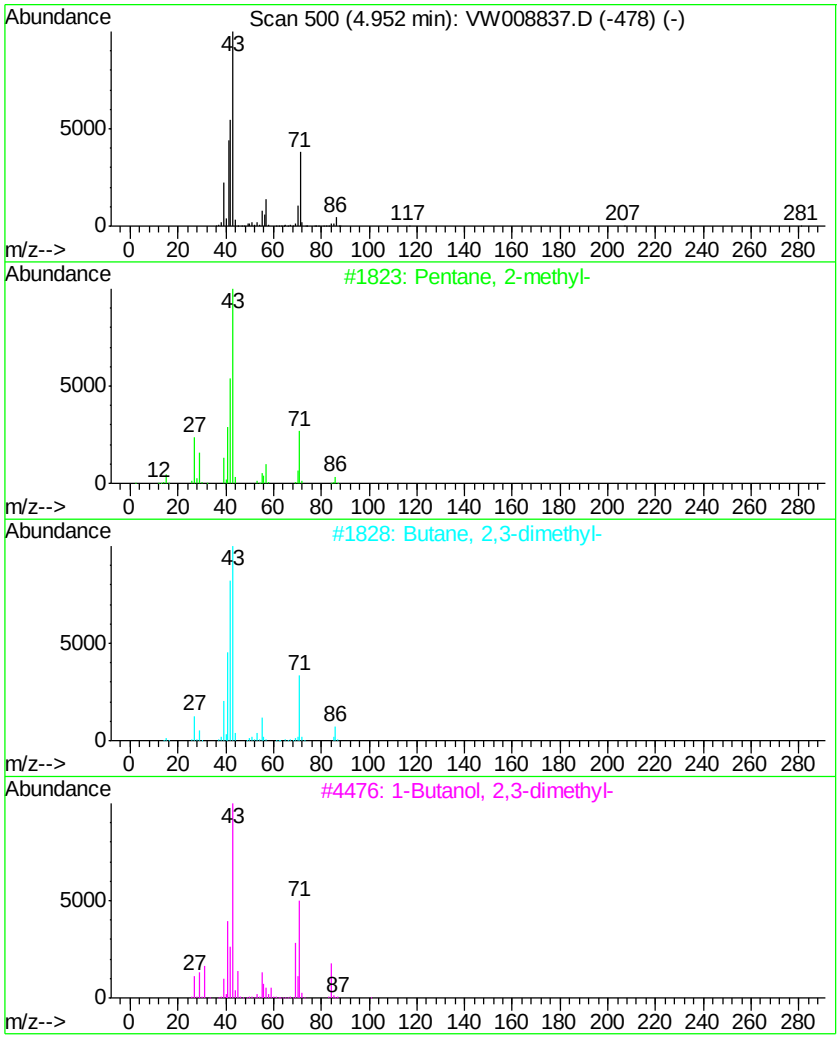
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

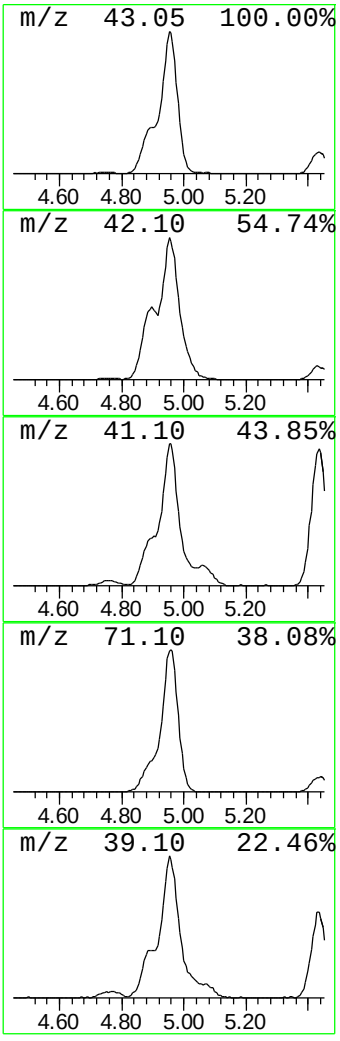
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.95	60.90 ug/l	3828240	Pentafluorobenzene	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	72
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	45
4	Pentane	72	C5H12	000109-66-0	38
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
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ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : B-2B(21-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

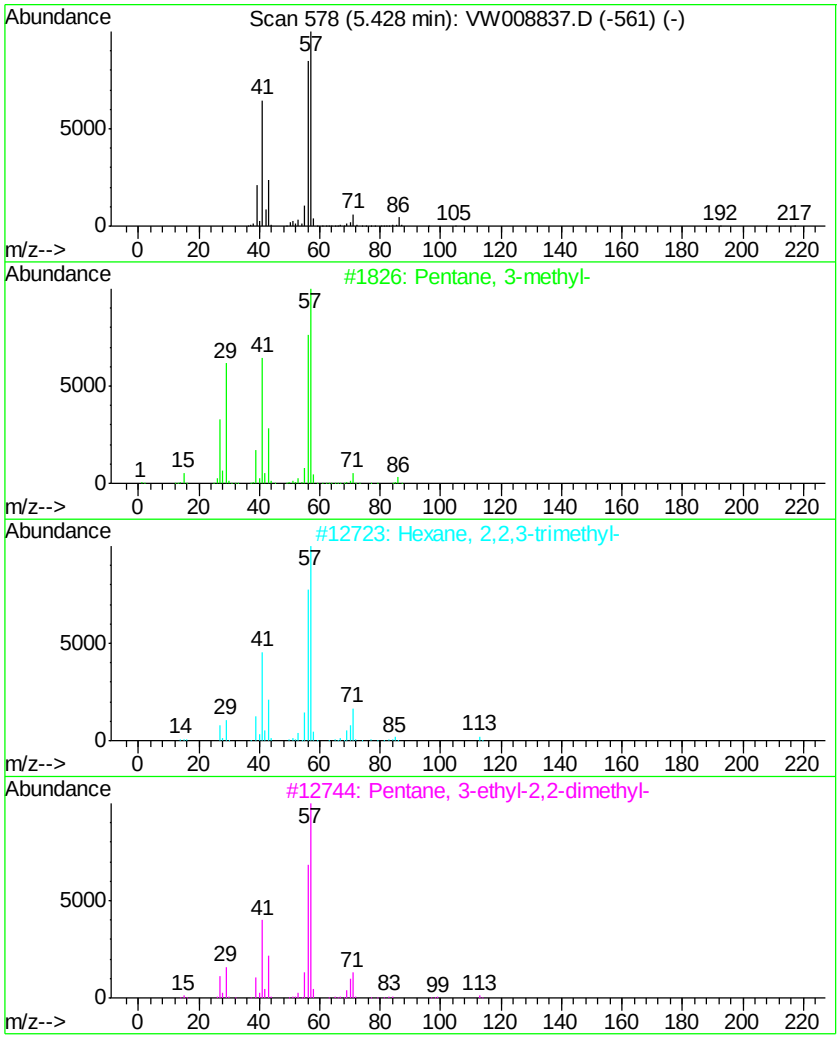
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

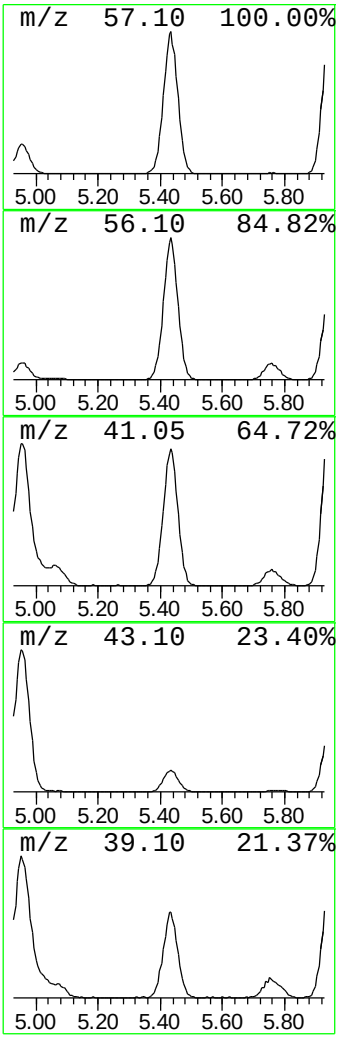
****

Peak Number 4 Pentane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.43	28.80 ug/l	1810710	Pentafluorobenzene	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
3	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43
4	Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	40
5	n-Hexane	86	C6H14	000110-54-3	38





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Sample : K1594-26
Misc : 6.69G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : B-2B(21-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

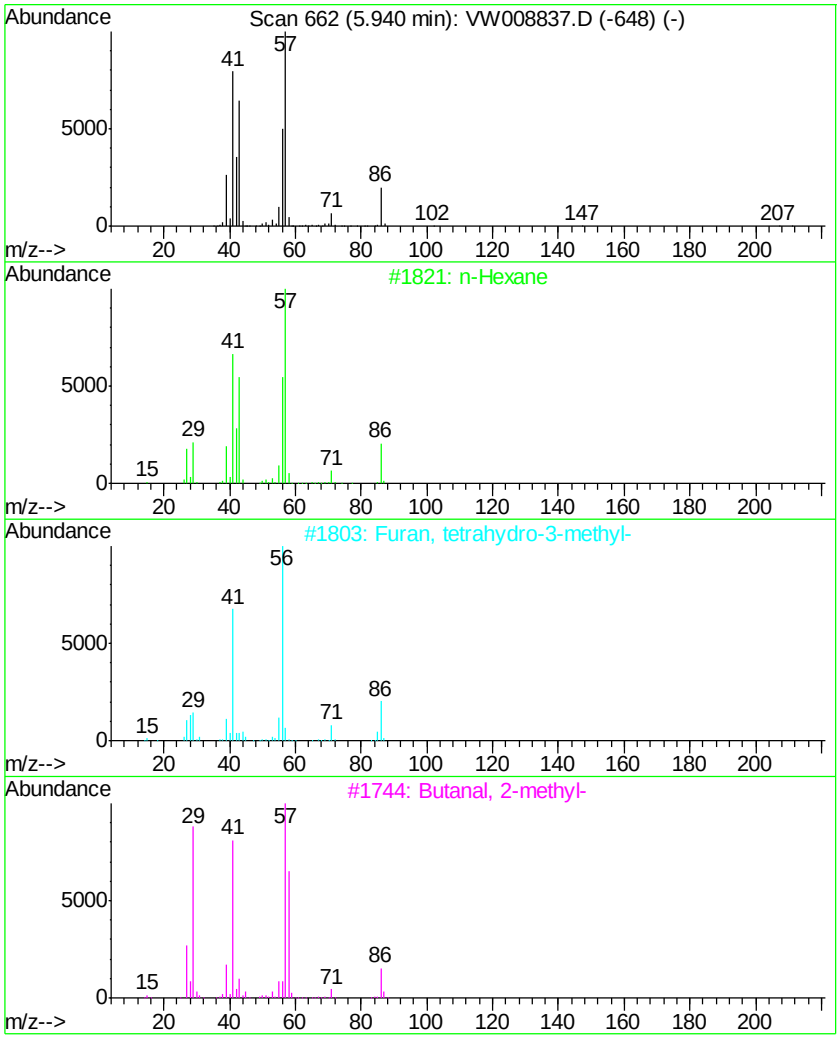
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

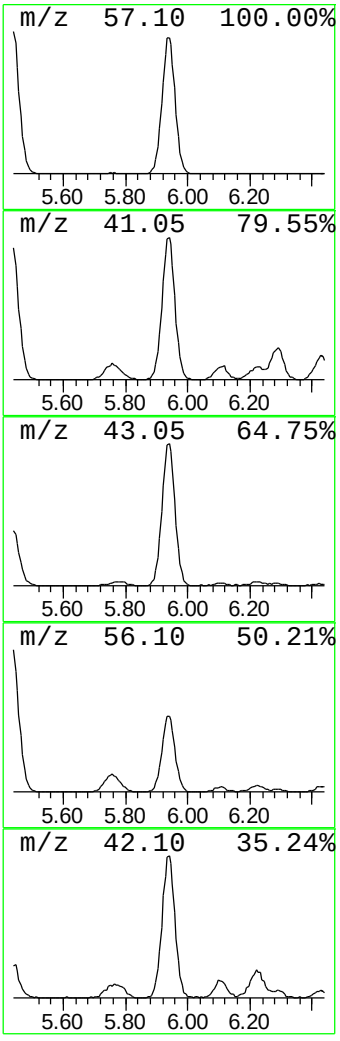
****

Peak Number 5 n-Hexane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.94	26.90 ug/l	1691280	Pentafluorobenzene	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	94
2	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	50
3	Butanal, 2-methyl-	86	C5H10O	000096-17-3	38
4	Propanal, 2,2-dimethyl-	86	C5H10O	000630-19-3	38
5	Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	37





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
Data File : VW008837.D
Acq On : 26 Feb 2019 18:11
Operator : SY/VA
Sample : K1594-26
Misc : 6.69G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : B-2B(21-22)

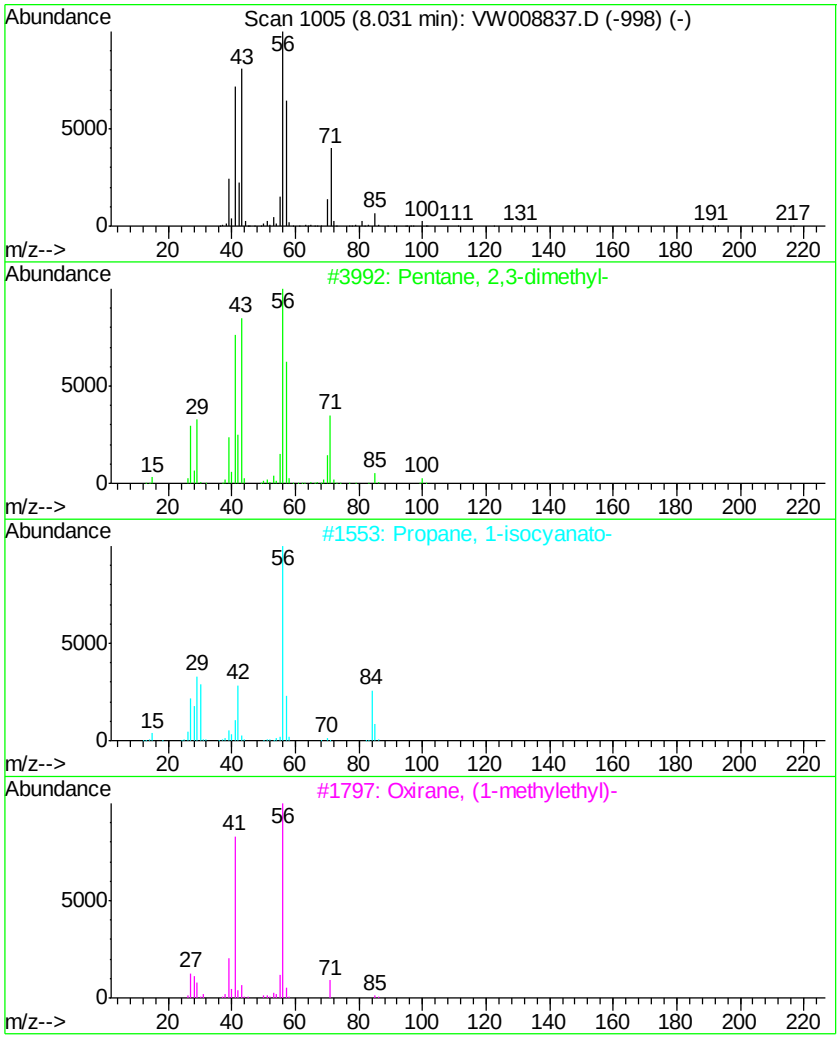
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

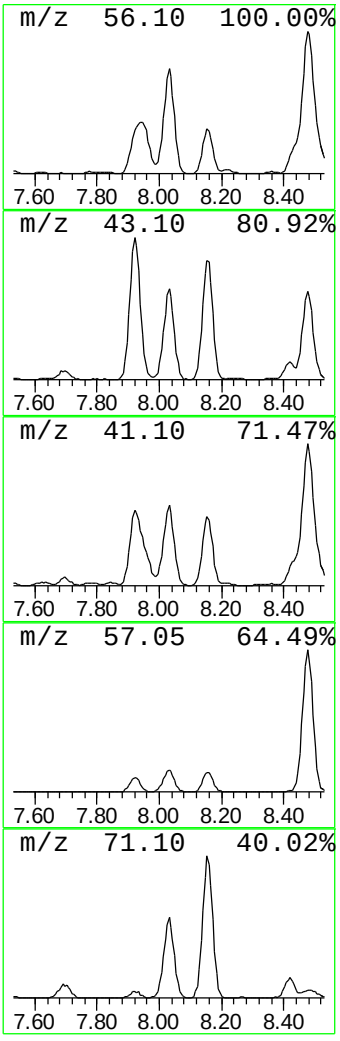
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Pentane, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.03	18.92 ug/l	1189280	Pentafluorobenzene	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	94
2	Propane, 1-isocyanato-	85	C4H7NO	000110-78-1	47
3	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	43
4	Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	37
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	37





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Data File : VW008837.D
Acq On : 26 Feb 2019 18:11
Operator : SY/VA
Sample : K1594-26
Misc : 6.69G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : B-2B(21-22)

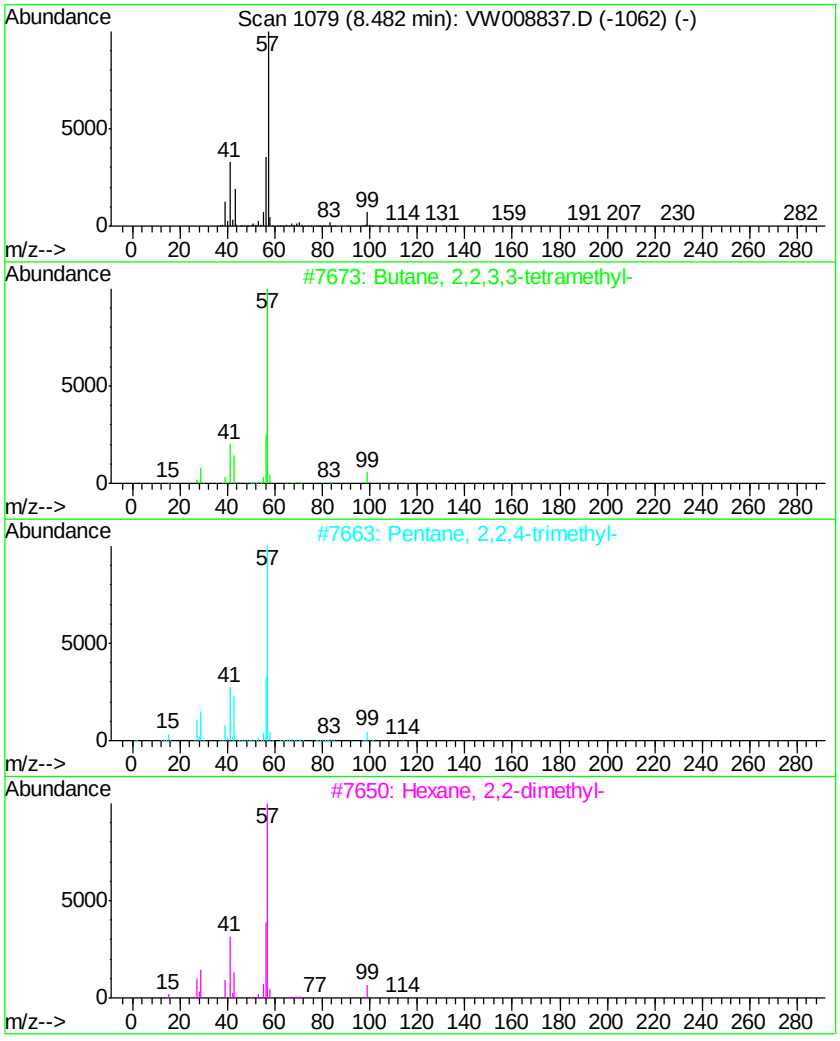
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

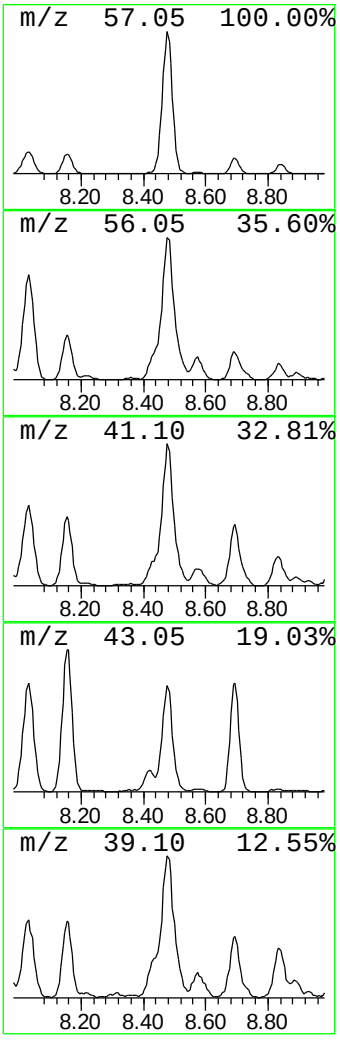
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Butane, 2,2,3,3-tetramethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	77.01 ug/l	2861320	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	78
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
3	Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	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	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW022619\
Data File : VW008837.D
Acq On : 26 Feb 2019 18:11
Operator : SY/VA
Sample : K1594-26
Misc : 6.69G/5ML/MSVOA W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : B-2B(21-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

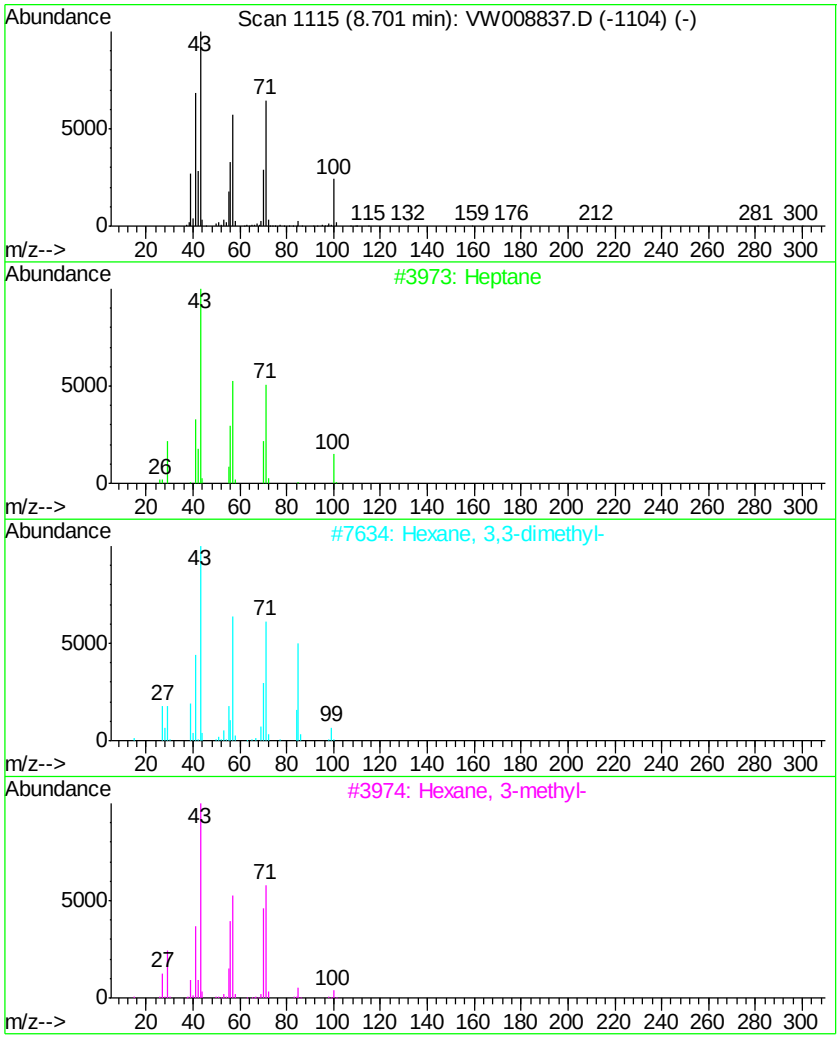
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

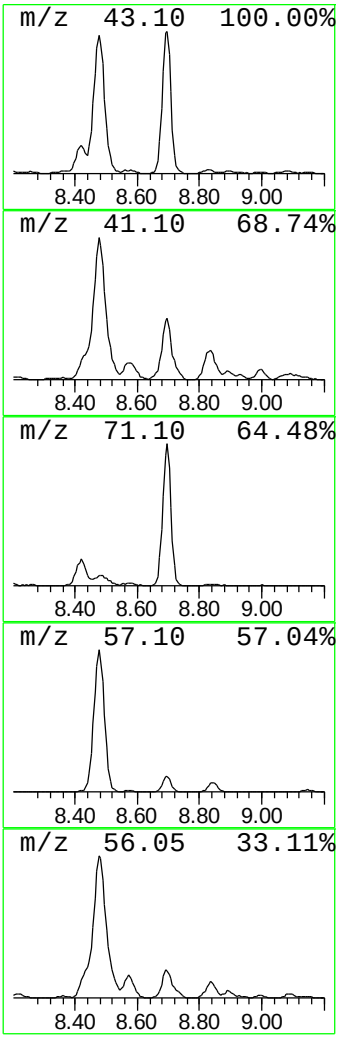
****

Peak Number 8 Heptane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.70	23.18 ug/l	861342	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	87
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	47
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	40
4	Oxirane, butyl-	100	C6H12O	001436-34-6	38
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	37





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW022619\
Data File : VW008837.D
Acq On : 26 Feb 2019 18:11
Operator : SY/VA
Sample : K1594-26
Misc : 6.69G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : B-2B(21-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.M
Quant Title : SW846 8260

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

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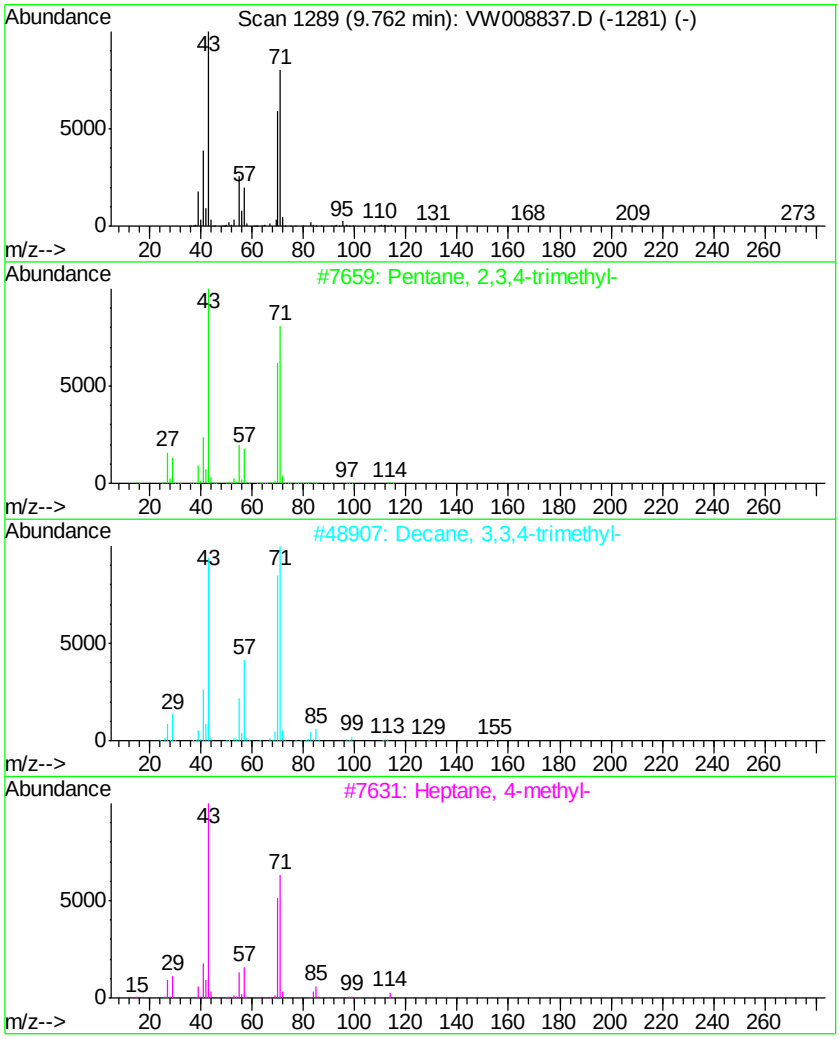
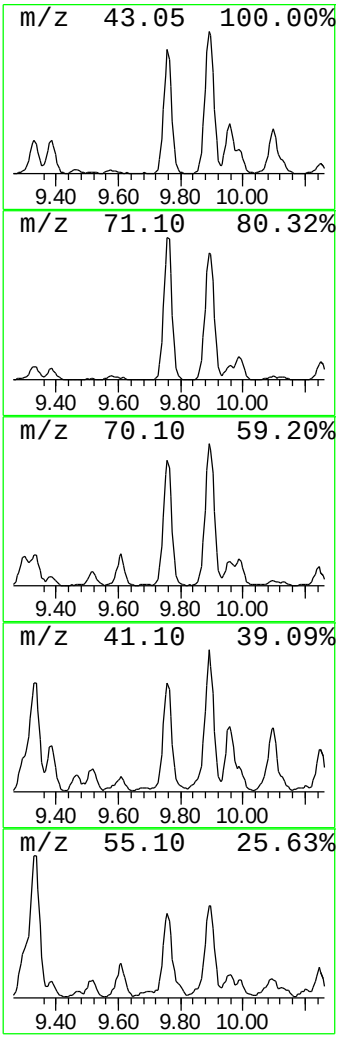
Peak Number 9 Pentane, 2,3,4-trimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	23.19 ug/l	861515	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2	Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64
3	Heptane, 4-methyl-	114	C8H18	000589-53-7	64
4	Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	64
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	56





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW022619\
Data File : VW008837.D
Acq On : 26 Feb 2019 18:11
Operator : SY/VA
Sample : K1594-26
Misc : 6.69G/5ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : B-2B(21-22)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W022119S.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
Butane, 2-methyl-	3.03	81.9	ug/l	5147610	1	7.95	3143220	50.0
Pentane	3.39	55.3	ug/l	3475910	1	7.95	3143220	50.0
Pentane, 2-methyl-	4.95	60.9	ug/l	3828240	1	7.95	3143220	50.0
Pentane, 3-methyl-	5.43	28.8	ug/l	1810710	1	7.95	3143220	50.0
n-Hexane	5.94	26.9	ug/l	1691280	1	7.95	3143220	50.0
Pentane, 2,3-dime...	8.03	18.9	ug/l	1189280	1	7.95	3143220	50.0
Butane, 2,2,3,3-t...	8.48	77.0	ug/l	2861320	2	8.84	1857830	50.0
Heptane	8.70	23.2	ug/l	861342	2	8.84	1857830	50.0
Pentane, 2,3,4-tr...	9.76	23.2	ug/l	861515	2	8.84	1857830	50.0