LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053019\
Data File : VW010613.D
Acq On : 30 May 2019 14:35
Operator : SY/VA
Sample : K3097-02
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0422-HR-2(HACKENSACK)

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\82W052019S.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	1.983	11	13	21	rVB	1437	2243	4.56%	0.699%
2	2.154	36	41	43	rBV	1235	1743	3.54%	0.543%
3	2.221	49	52	54	rBV2	552	684	1.39%	0.213%
4	2.282	57	62	63	rVV2	638	891	1.81%	0.278%
5	2.306	63	66	67	rVV3	678	545	1.11%	0.170%
6	2.349	71	73	77	rVV4	455	658	1.34%	0.205%
7	2.446	87	89	91	rBV3	465	498	1.01%	0.155%
8	2.550	102	106	107	rBV3	808	1067	2.17%	0.332%
9	4.391	400	408	414	rBV3	510	1394	2.83%	0.434%
10	4.921	487	495	499	rVB3	431	1152	2.34%	0.359%
11	5.952	655	664	674	rBV4	2515	7718	15.69%	2.404%
12	7.128	848	857	865	rBV2	3149	9135	18.57%	2.846%
13	7.884	975	981	986	rBV2	5702	12816	26.05%	3.992%
14	7.945	986	991	1003	rVB2	12100	26290	53.45%	8.189%
15	8.256	1034	1042	1044	rBV2	1810	3245	6.60%	1.011%
16	8.311	1045	1051	1057	rVB	6007	13197	26.83%	4.111%
17	8.841	1131	1138	1145	rBV	16301	33096	67.28%	10.309%
18	10.323	1371	1381	1390	rBV	26898	49189	100.00%	15.322%
19	10.701	1439	1443	1449	rVB2	949	1773	3.60%	0.552%
20	10.792	1457	1458	1464	rVB3	416	658	1.34%	0.205%
21	11.231	1526	1530	1534	rVB2	727	1173	2.38%	0.365%
22	11.335	1543	1547	1549	rBV2	395	568	1.15%	0.177%
23	11.445	1558	1565	1569	rBV5	1724	3663	7.45%	1.141%
24	11.634	1589	1596	1602	rVV	22224	38575	78.42%	12.016%
25	11.682	1602	1604	1607	rVV3	625	550	1.12%	0.171%
26	11.823	1622	1627	1630	rBV4	748	1087	2.21%	0.339%
27	11.969	1649	1651	1656	rVB5	670	969	1.97%	0.302%
28	12.048	1662	1664	1669	rBV4	415	750	1.52%	0.234%
29	12.103	1669	1673	1674	rBV4	439	644	1.31%	0.201%
30	12.207	1688	1690	1694	rBV4	520	707	1.44%	0.220%
31	12.341	1705	1712	1713	rBV6	1261	2214	4.50%	0.690%
32	12.481	1733	1735	1739	rVB5	914	1019	2.07%	0.317%
33	12.524	1739	1742	1746	rBV5	823	1283	2.61%	0.400%
34	12.566	1746	1749	1751	rBV5	498	510	1.04%	0.159%

LSC Area Percent Report

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Acq On : 30 May 2019 14:35
Operator : SY/VA
Sample : K3097-02
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0422-HR-2(HACKENSACK)

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\82W052019S.M
Title : SW846 8260

35	12.621	1751	1758	1764	rBV2	16637	30570	62.15%	9.523%
36	12.780	1780	1784	1789	rVB7	1802	3380	6.87%	1.053%
37	12.829	1790	1792	1794	rBV2	496	511	1.04%	0.159%
38	12.932	1806	1809	1811	rBV4	886	995	2.02%	0.310%
39	13.048	1824	1828	1829	rVV3	737	796	1.62%	0.248%
40	13.085	1829	1834	1839	rVB7	1106	1793	3.65%	0.559%
41	13.261	1859	1863	1864	rBV4	927	1109	2.25%	0.345%
42	13.420	1887	1889	1892	rBV4	572	649	1.32%	0.202%
43	13.560	1907	1912	1917	rBV	13773	22666	46.08%	7.060%
44	13.682	1930	1932	1933	rBV2	745	498	1.01%	0.155%
45	13.700	1933	1935	1938	rVV3	802	941	1.91%	0.293%
46	13.767	1940	1946	1953	rVV3	1635	4466	9.08%	1.391%
47	13.877	1960	1964	1969	rBV8	1815	3654	7.43%	1.138%
48	13.932	1969	1973	1974	rBV4	692	827	1.68%	0.258%
49	13.987	1978	1982	1985	rBV6	667	914	1.86%	0.285%
50	14.017	1985	1987	1989	rBV3	681	554	1.13%	0.173%
51	14.066	1992	1995	1997	rBV4	1168	1815	3.69%	0.565%
52	14.151	2006	2009	2010	rBV4	824	875	1.78%	0.273%
53	14.383	2044	2047	2051	rBV6	1885	2421	4.92%	0.754%
54	14.456	2057	2059	2061	rVB3	635	561	1.14%	0.175%
55	14.548	2070	2074	2081	rBV9	2092	3409	6.93%	1.062%
56	14.859	2121	2125	2128	rVB5	946	1365	2.78%	0.425%
57	14.938	2135	2138	2139	rBV2	744	970	1.97%	0.302%
58	15.261	2189	2191	2194	rVB4	1146	1014	2.06%	0.316%
59	15.292	2194	2196	2200	rBV5	797	790	1.61%	0.246%
60	15.340	2200	2204	2207	rBV5	1116	1712	3.48%	0.533%
61	15.371	2207	2209	2212	rBV4	873	1027	2.09%	0.320%
62	15.444	2218	2221	2225	rBV6	993	1242	2.52%	0.387%
63	15.541	2235	2237	2239	rVB3	715	546	1.11%	0.170%
64	15.572	2239	2242	2246	rBV6	895	1265	2.57%	0.394%
65	15.712	2263	2265	2266	rBV2	711	655	1.33%	0.204%
66	15.737	2266	2269	2276	rVV9	1607	3468	7.05%	1.080%
67	15.858	2287	2289	2292	rBV4	547	551	1.12%	0.172%
68	16.176	2340	2341	2345	rVV3	772	557	1.13%	0.174%
69	16.389	2374	2376	2378	rBV2	735	759	1.54%	0.236%

Sum of corrected areas: 321029

LSC Report - Integrated Chromatogram

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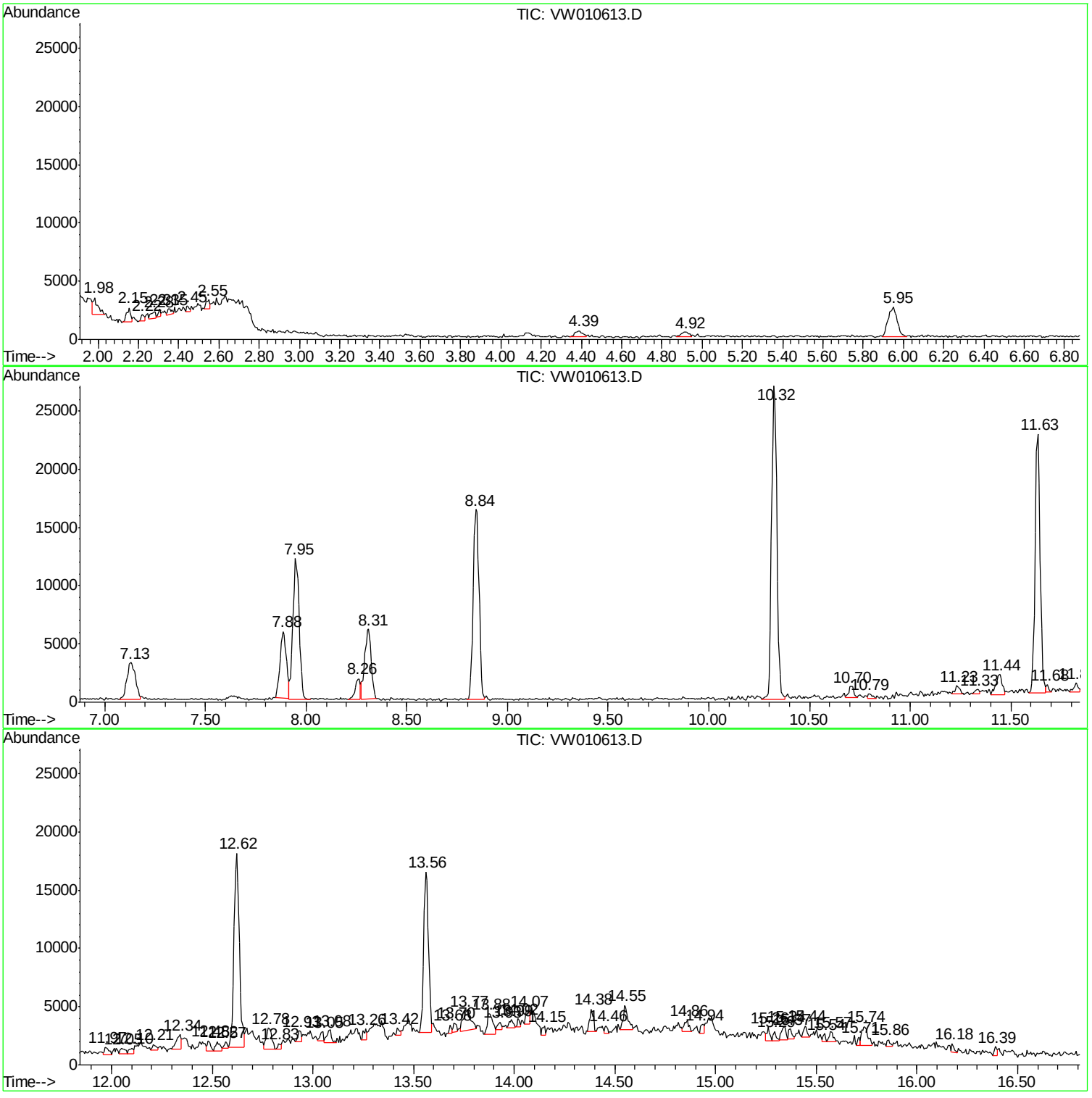
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
0422-HR-2(HACKENSACK)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.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\VW053019\
Data File : VW010613.D
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ALS Vial : 9 Sample Multiplier: 1

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ClientSampleId : 0422-HR-2(HACKENSACK)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

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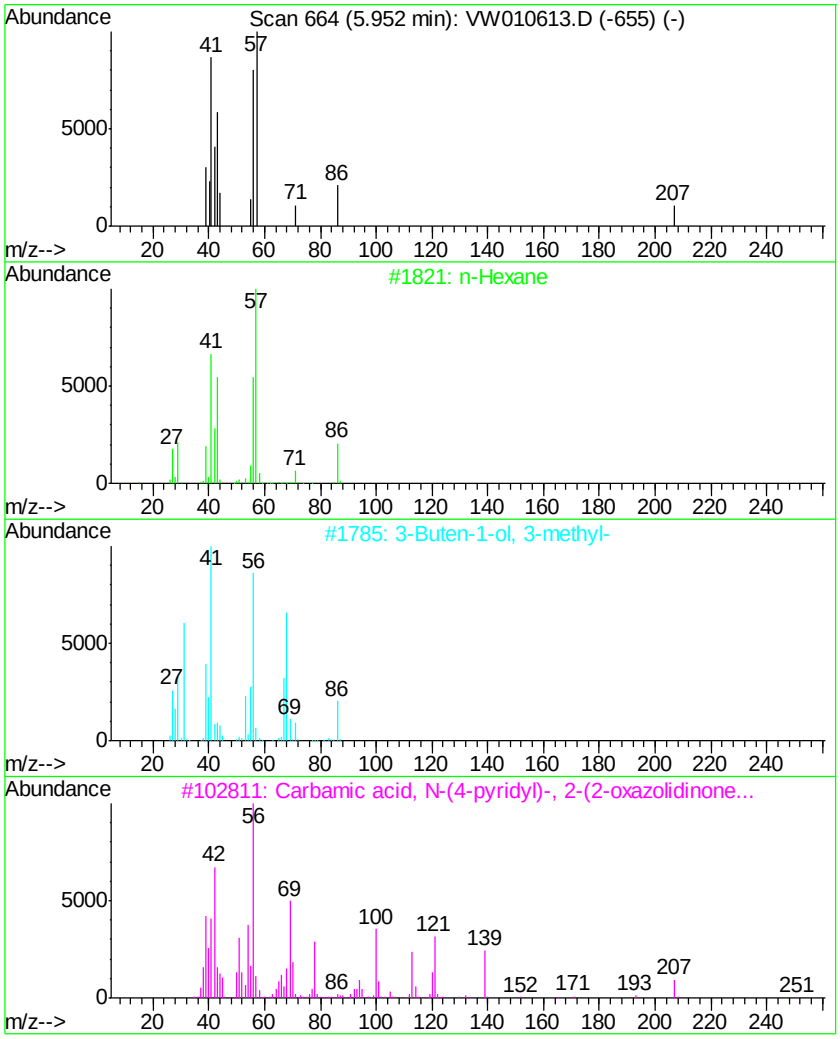
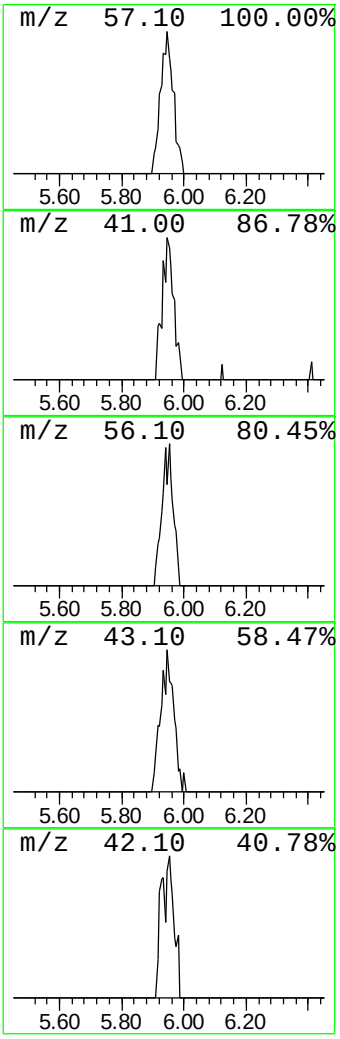
Peak Number 1 n-Hexane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.95	14.68 ug/l	7718	Pentafluorobenzene	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	86
2	3-Buten-1-ol, 3-methyl-	86	C5H10O	000763-32-6	52
3	Carbamic acid, N-(4-pyridyl)-, 2...	251	C11H13N3O4	327042-41-1	38
4	Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	33
5	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053019\
Data File : VW010613.D
Acq On : 30 May 2019 14:35
Operator : SY/VA
Sample : K3097-02
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0422-HR-2(HACKENSACK)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

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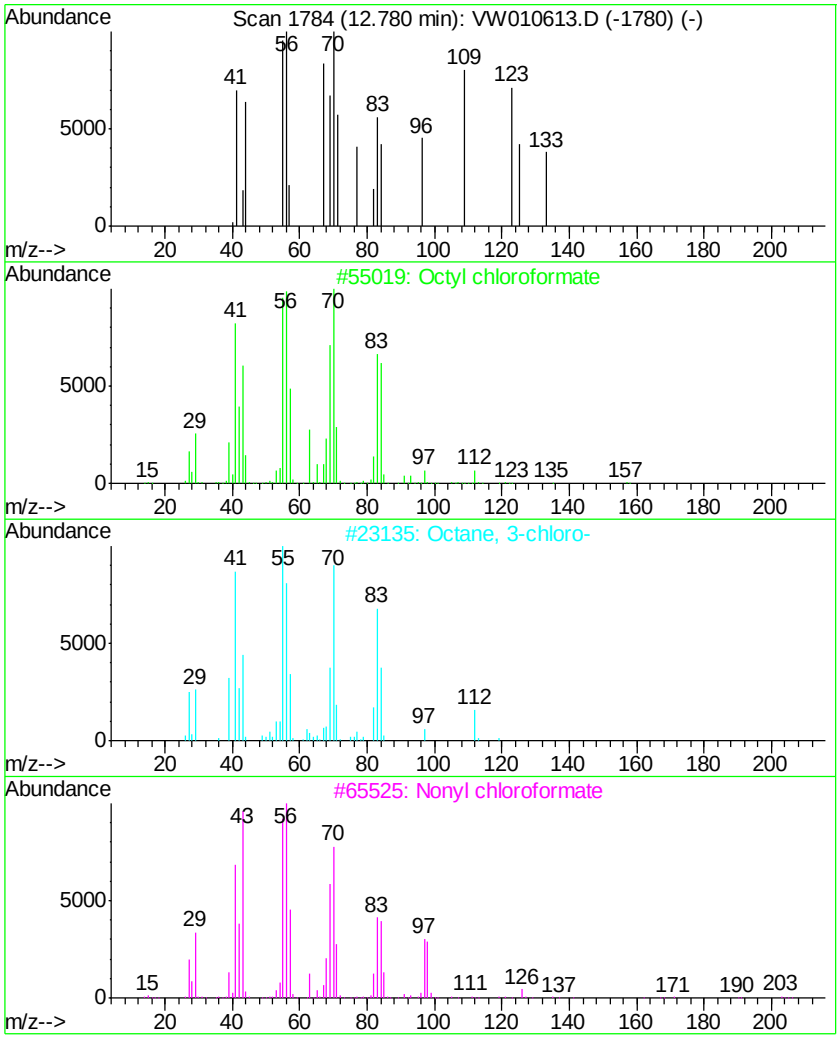
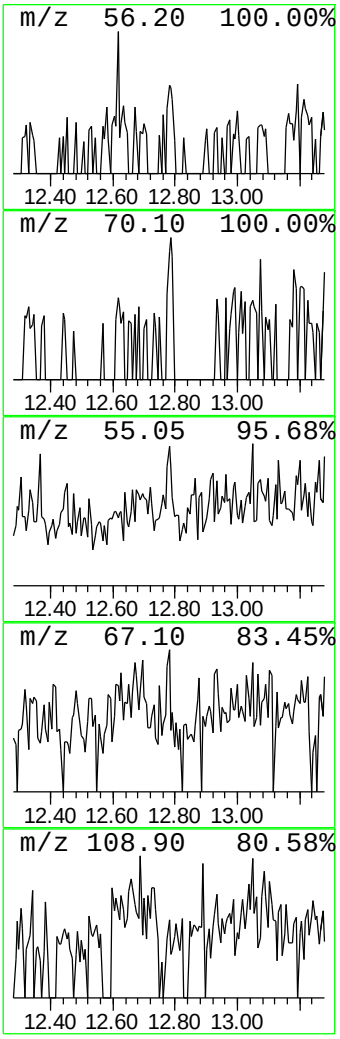
Peak Number 4 unknown12.78 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	7.46 ug/l	3380	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octyl chloroformate	192	C9H17ClO2	007452-59-7	35
2	Octane, 3-chloro-	148	C8H17Cl	001117-79-9	27
3	Nonyl chloroformate	206	C10H19ClO2	057045-82-6	27
4	1-Decanol	158	C10H22O	000112-30-1	27
5	Cyclopentane, propyl-	112	C8H16	002040-96-2	27





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053019\
Data File : VW010613.D
Acq On : 30 May 2019 14:35
Operator : SY/VA
Sample : K3097-02
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0422-HR-2(HACKENSACK)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

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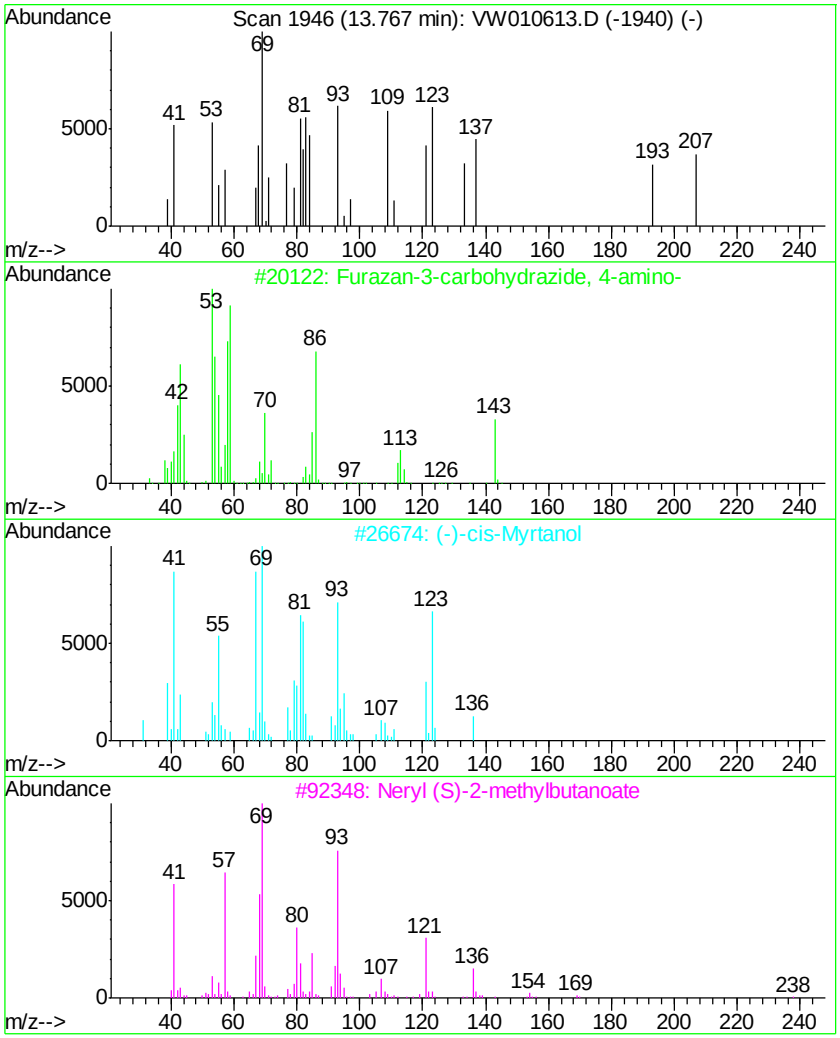
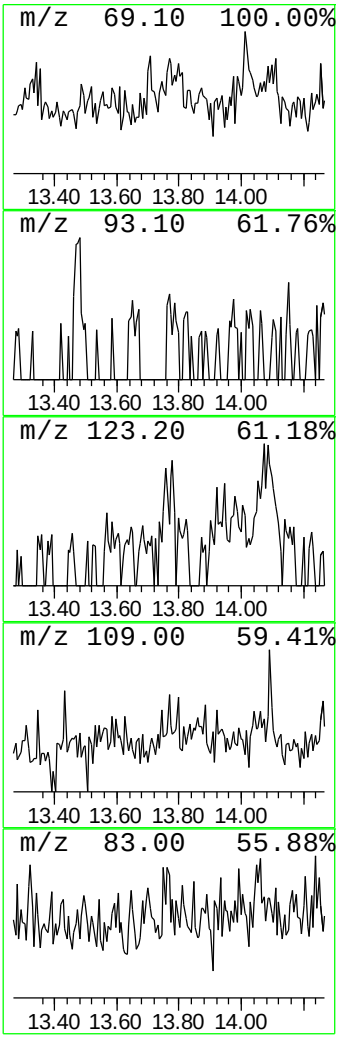
Peak Number 5 unknown13.77 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	9.85 ug/l	4466	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furazan-3-carbohydrazide, 4-amino-	143	C3H5N5O2	246048-72-6	10
2	(-)-cis-Myrtanol	154	C10H18O	051152-12-6	10
3	Neryl (S)-2-methylbutanoate	238	C15H26O2	1000360-39-7	10
4	Butanenitrile, 3-methyl-2-methyl...	95	C6H9N	002813-69-6	9
5	2-Pentene, 2-methyl-	84	C6H12	000625-27-4	9





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW053019\
Data File : VW010613.D
Acq On : 30 May 2019 14:35
Operator : SY/VA
Sample : K3097-02
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0422-HR-2(HACKENSACK)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

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

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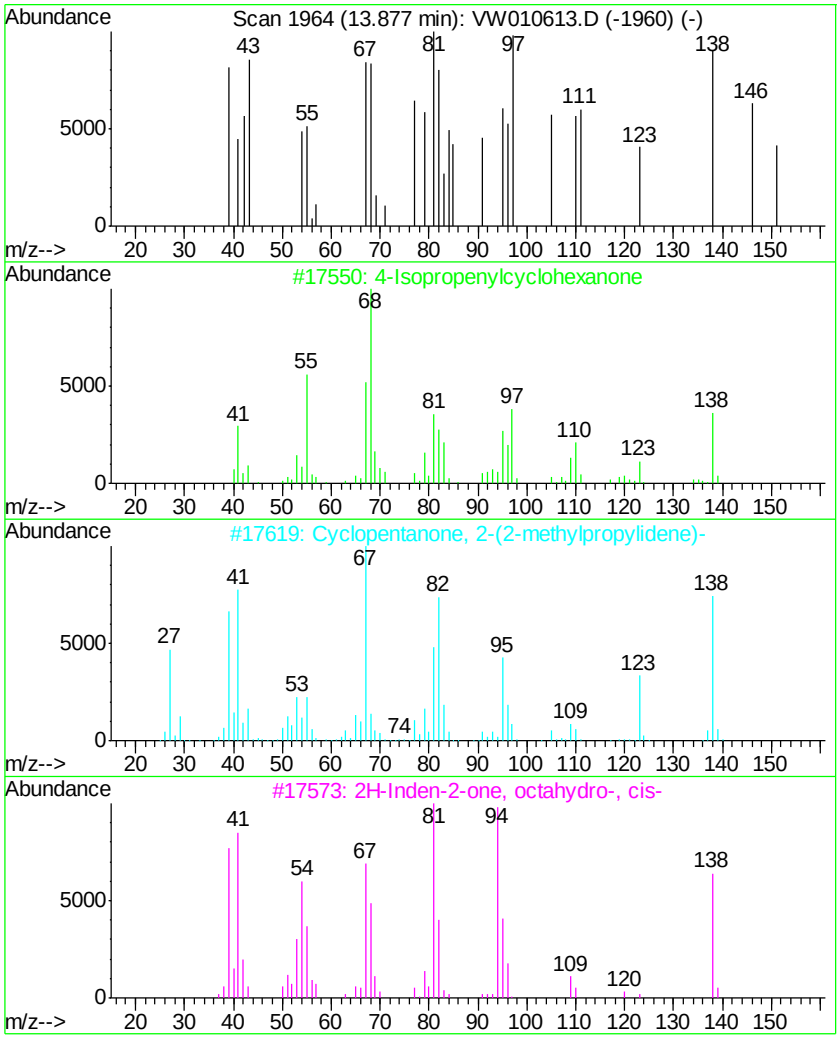
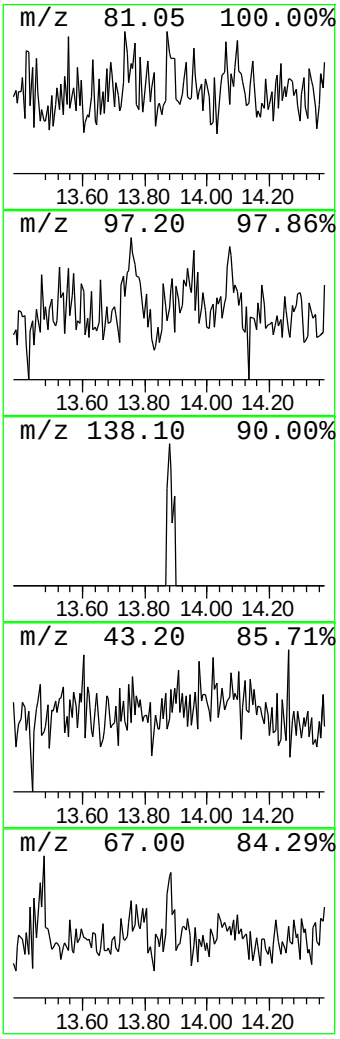
Peak Number 6 4-Isopropenylcyclohexanone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	8.06 ug/l	3654	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Isopropenylcyclohexanone	138	C9H14O	022460-53-3	58
2	Cyclopentanone, 2-(2-methylpropy...	138	C9H14O	016856-72-7	49
3	2H-Inden-2-one, octahydro-, cis-	138	C9H14O	005689-04-3	47
4	5H-Inden-5-one, octahydro-, trans-	138	C9H14O	004668-81-9	47
5	3,5-Octadiene, (Z,Z)-	110	C8H14	007348-80-3	43





Library Search Compound Report

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ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0422-HR-2(HACKENSACK)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

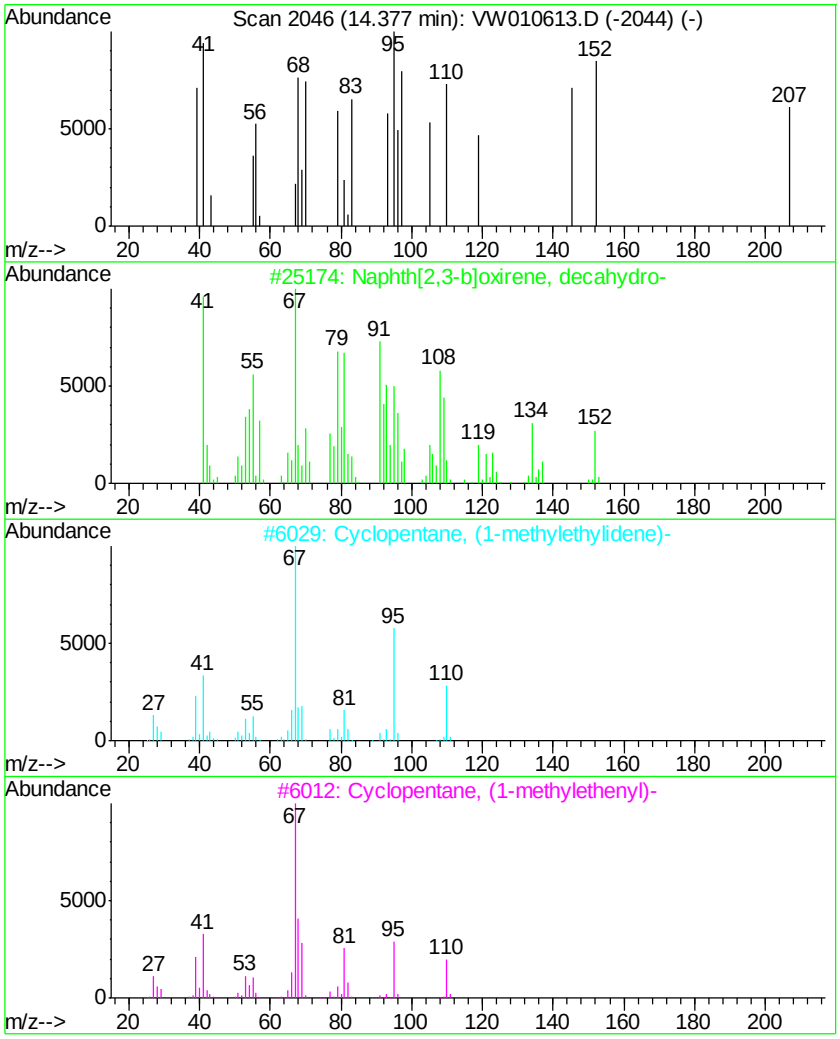
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

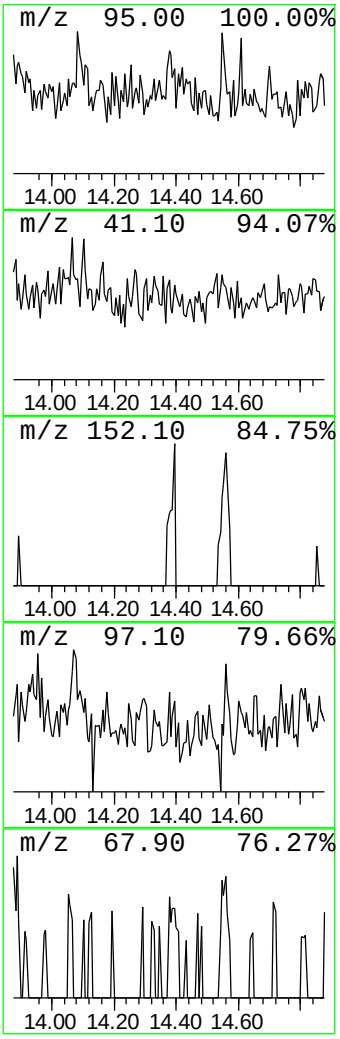
****

Peak Number 7 unknown14.38 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	5.34 ug/l	2421	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphth[2,3-b]oxirene, decahydro-	152	C10H16O	021399-51-9	32
2	Cyclopentane, (1-methylethylidene)-	110	C8H14	000765-83-3	30
3	Cyclopentane, (1-methylethenyl)-	110	C8H14	055661-02-4	27
4	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	27
5	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	25





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

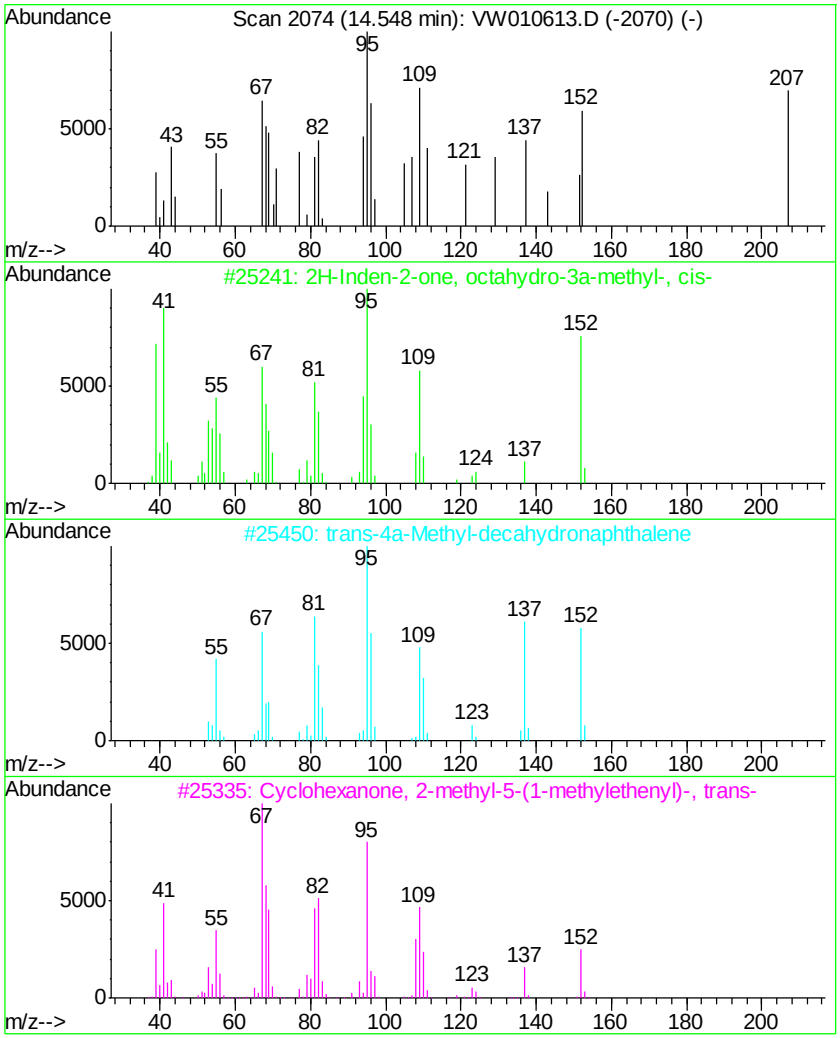
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

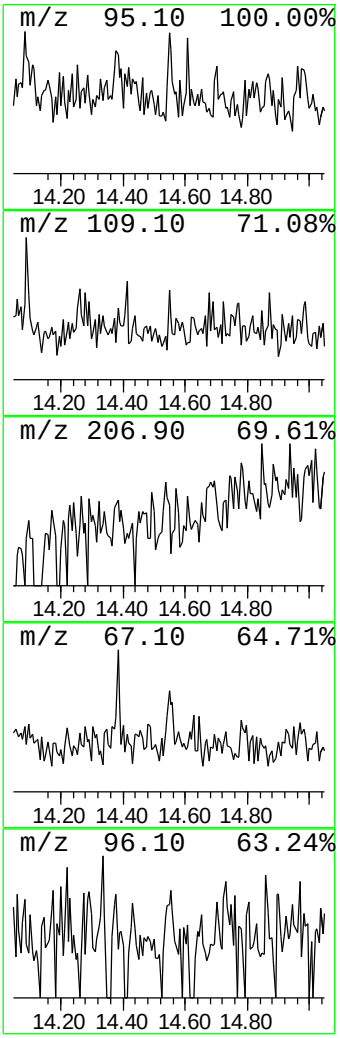
****

Peak Number 8 unknown14.55 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	7.52 ug/l	3409	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Inden-2-one, octahydro-3a-met...	152	C10H16O	013351-29-6	46
2	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	45
3	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	005948-04-9	41
4	4,4-Dimethyl-2-propenylcyclopent...	152	C10H16O	068261-88-1	38
5	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	007764-50-3	35





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Data File : VW010613.D
Acq On : 30 May 2019 14:35
Operator : SY/VA
Sample : K3097-02
Misc : 5.03G/5ML/MSVOA W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0422-HR-2(HACKENSACK)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.M
Quant Title : SW846 8260

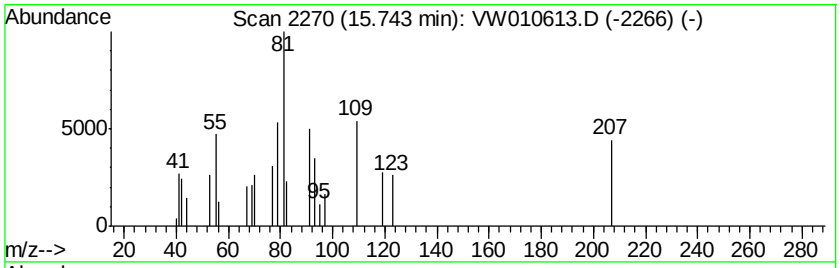
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

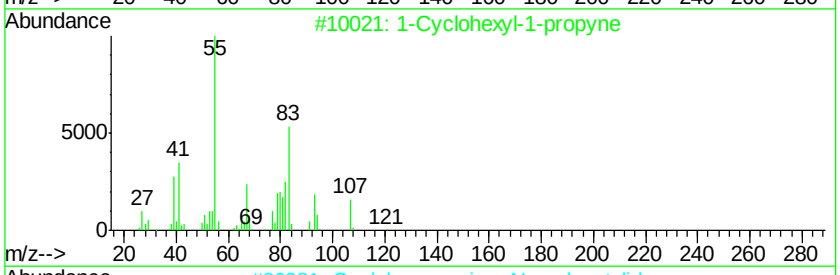
****

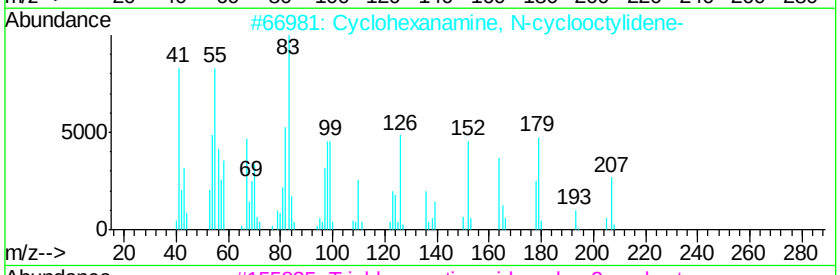
Peak Number 9 unknown15.74 Concentration Rank 5

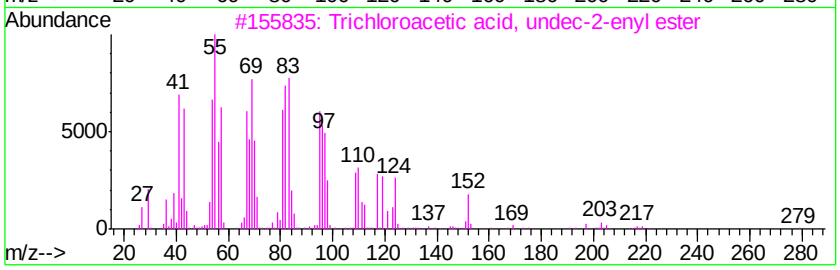
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	7.65 ug/l	3468	1,4-Dichlorobenzene-d4	13.56

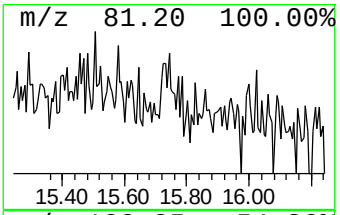
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyclohexyl-1-propyne	122	C9H14	018736-95-3	12
2	Cyclohexanamine, N-cyclooctylidene-	207	C14H25N	054699-42-2	12
3	Trichloroacetic acid, undec-2-en...	314	C13H21Cl3O2	1000299-26-1	12
4	1-Buta-1,3-dienyl-pyrrolidine	123	C8H13N	1000192-47-6	12
5	Trichloroacetic acid, undec-10-e...	314	C13H21Cl3O2	1000280-51-3	10

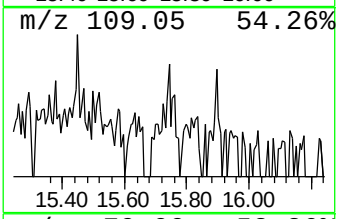


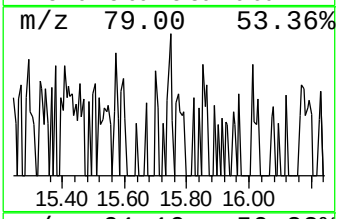


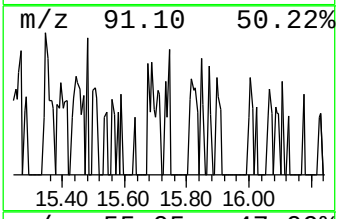


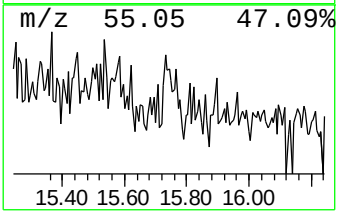












Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW053019\
Data File : VW010613.D
Acq On : 30 May 2019 14:35
Operator : SY/VA
Sample : K3097-02
Misc : 5.03G/5ML/MSVOA_W/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 0422-HR-2(HACKENSACK)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W052019S.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
n-Hexane	5.95	14.7	ug/l	7718	1	7.95	26290	50.0
unknown12.78	12.78	7.5	ug/l	3380	4	13.56	22666	50.0
unknown13.77	13.77	9.8	ug/l	4466	4	13.56	22666	50.0
4-Isopropenylcycl...	13.88	8.1	ug/l	3654	4	13.56	22666	50.0
unknown14.38	14.38	5.3	ug/l	2421	4	13.56	22666	50.0
unknown14.55	14.55	7.5	ug/l	3409	4	13.56	22666	50.0
unknown15.74	15.74	7.7	ug/l	3468	4	13.56	22666	50.0