LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081319\
Data File : VW011895.D
Acq On : 13 Aug 2019 15:15
Operator : SY/VA
Sample : K4215-07RE
Misc : 5.62G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOB8RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\SOM2WLM073019S.M
Title : VOC Analysis

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.160	38	42	47	rVB3	2242	3908	1.90%	0.294%
2	2.355	69	74	80	rVB	14907	27701	13.48%	2.084%
3	2.495	94	97	103	rVB2	4427	6779	3.30%	0.510%
4	2.885	156	161	168	rVB2	11664	21964	10.69%	1.652%
5	3.239	218	219	221	rBV2	604	504	0.25%	0.038%
6	3.263	221	223	228	rVV5	886	1325	0.64%	0.100%
7	3.391	238	244	255	rVB4	2357	7025	3.42%	0.528%
8	3.495	260	261	265	rBV4	636	997	0.49%	0.075%
9	3.580	272	275	283	rVB6	977	2467	1.20%	0.186%
10	3.855	316	320	325	rVB5	1276	2025	0.99%	0.152%
11	4.019	335	347	357	rBV	24155	65372	31.81%	4.918%
12	4.123	357	364	377	rVB2	4669	13639	6.64%	1.026%
13	4.379	398	406	416	rBV2	1497	4508	2.19%	0.339%
14	4.623	443	446	451	rVB2	382	654	0.32%	0.049%
15	4.678	451	455	458	rVB4	376	548	0.27%	0.041%
16	4.787	470	473	474	rBV2	393	485	0.24%	0.036%
17	4.818	477	478	481	rVB3	547	485	0.24%	0.036%
18	4.922	481	495	498	rBV7	2710	8718	4.24%	0.656%
19	5.019	509	511	513	rBV4	807	839	0.41%	0.063%
20	5.446	574	581	584	rBV8	875	1695	0.82%	0.128%
21	5.732	625	628	629	rBV	734	758	0.37%	0.057%
22	5.787	630	637	647	rVB5	1583	5581	2.72%	0.420%
23	5.946	655	663	664	rBV4	1480	2718	1.32%	0.204%
24	6.068	680	683	687	rBV3	489	497	0.24%	0.037%
25	6.129	690	693	695	rBV2	479	547	0.27%	0.041%
26	6.226	706	709	712	rVB3	455	685	0.33%	0.052%
27	6.403	735	738	742	rBV2	305	457	0.22%	0.034%
28	6.598	767	770	773	rVB2	315	465	0.23%	0.035%
29	6.751	793	795	798	rBV3	426	438	0.21%	0.033%
30	6.891	815	818	819	rBV2	568	634	0.31%	0.048%
31	6.982	831	833	836	rBV3	710	756	0.37%	0.057%
32	7.086	843	850	851	rBV	4954	8459	4.12%	0.636%
33	7.409	900	903	906	rBV	398	590	0.29%	0.044%
34	7.482	911	915	918	rBV4	467	682	0.33%	0.051%

LSC Area Percent Report

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Operator : SY/VA
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Misc : 5.62G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOB8RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\SOM2WLM073019S.M
Title : VOC Analysis

35	7.531	921	923	927	rVV3	522	693	0.34%	0.052%
36	7.653	932	943	955	rBV	32237	82017	39.91%	6.170%
37	7.952	989	992	993	rVB3	649	464	0.23%	0.035%
38	8.031	998	1005	1008	rBV5	766	1229	0.60%	0.092%
39	8.147	1021	1024	1025	rVV2	505	612	0.30%	0.046%
40	8.275	1036	1045	1065	rBV3	60945	205499	100.00%	15.459%
41	8.421	1065	1069	1070	rBV3	686	804	0.39%	0.060%
42	8.488	1078	1080	1083	rVB3	570	481	0.23%	0.036%
43	8.531	1085	1087	1092	rBV3	635	911	0.44%	0.069%
44	8.707	1113	1116	1118	rVV4	727	807	0.39%	0.061%
45	8.842	1130	1138	1147	rBV	58720	124968	60.81%	9.401%
46	8.994	1160	1163	1166	rBV3	474	586	0.29%	0.044%
47	9.073	1172	1176	1180	rVB3	686	1149	0.56%	0.086%
48	9.134	1184	1186	1188	rBV	517	538	0.26%	0.040%
49	9.189	1193	1195	1198	rBV2	460	595	0.29%	0.045%
50	9.274	1198	1209	1218	rBV	46189	95909	46.67%	7.215%
51	9.372	1223	1225	1227	rBV3	575	463	0.23%	0.035%
52	9.415	1227	1232	1233	rBV3	850	1066	0.52%	0.080%
53	9.524	1248	1250	1253	rBV4	534	673	0.33%	0.051%
54	9.616	1264	1265	1268	rVV2	771	553	0.27%	0.042%
55	9.689	1273	1277	1279	rBV3	422	540	0.26%	0.041%
56	9.750	1282	1287	1288	rBV2	667	598	0.29%	0.045%
57	9.768	1288	1290	1293	rVB2	539	532	0.26%	0.040%
58	9.829	1295	1300	1302	rBV2	447	767	0.37%	0.058%
59	9.909	1308	1313	1314	rBV3	364	496	0.24%	0.037%
60	9.921	1314	1315	1319	rVB3	681	516	0.25%	0.039%
61	10.037	1325	1334	1340	rBV2	18334	35093	17.08%	2.640%
62	10.128	1346	1349	1351	rBV3	638	609	0.30%	0.046%
63	10.323	1374	1381	1390	rBV	71056	129084	62.81%	9.711%
64	10.421	1395	1397	1399	rVB	678	436	0.21%	0.033%
65	10.506	1408	1411	1414	rVB3	825	814	0.40%	0.061%
66	10.579	1417	1423	1431	rBV2	9330	18753	9.13%	1.411%
67	10.707	1438	1444	1448	rBV3	1869	3829	1.86%	0.288%
68	10.927	1474	1480	1489	rBV2	16823	31539	15.35%	2.373%
69	11.012	1492	1494	1495	rVV2	790	642	0.31%	0.048%
70	11.067	1498	1503	1509	rVV7	3879	8244	4.01%	0.620%
71	11.116	1510	1511	1513	rVV	611	512	0.25%	0.039%

LSC Area Percent Report

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Operator : SY/VA
Sample : K4215-07RE
Misc : 5.62G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOB8RE

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % 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\SOM2WLM073019S.M
Title : VOC Analysis

72	11.146	1513	1516	1518	rVV4	928	962	0.47%	0.072%
73	11.231	1528	1530	1534	rVB4	766	808	0.39%	0.061%
74	11.280	1534	1538	1543	rVB4	497	1040	0.51%	0.078%
75	11.323	1543	1545	1547	rBV2	643	632	0.31%	0.048%
76	11.463	1566	1568	1571	rVB2	572	560	0.27%	0.042%
77	11.506	1571	1575	1576	rBV3	395	553	0.27%	0.042%
78	11.555	1581	1583	1586	rBV2	429	431	0.21%	0.032%
79	11.634	1589	1596	1608	rVV	71908	126807	61.71%	9.539%
80	11.731	1608	1612	1616	rVB6	706	1294	0.63%	0.097%
81	11.798	1622	1623	1625	rBV2	670	552	0.27%	0.042%
82	11.902	1638	1640	1642	rBV3	666	508	0.25%	0.038%
83	12.006	1653	1657	1659	rBV3	464	657	0.32%	0.049%
84	12.042	1662	1663	1667	rVB3	411	426	0.21%	0.032%
85	12.091	1667	1671	1675	rBV3	1079	1292	0.63%	0.097%
86	12.152	1675	1681	1682	rBV5	1058	1829	0.89%	0.138%
87	12.335	1707	1711	1713	rBV4	1539	1995	0.97%	0.150%
88	12.445	1727	1729	1730	rBV2	597	460	0.22%	0.035%
89	12.609	1751	1756	1764	rBV3	3264	5944	2.89%	0.447%
90	12.695	1764	1770	1778	rBV	28423	50587	24.62%	3.805%
91	12.780	1779	1784	1789	rVB7	2040	3928	1.91%	0.295%
92	12.829	1789	1792	1793	rVB3	725	645	0.31%	0.049%
93	12.853	1793	1796	1800	rBV5	1266	2269	1.10%	0.171%
94	12.926	1807	1808	1812	rBV4	1373	1426	0.69%	0.107%
95	13.042	1823	1827	1830	rBV5	1149	1713	0.83%	0.129%
96	13.377	1881	1882	1885	rBV3	1068	1265	0.62%	0.095%
97	13.560	1905	1912	1920	rBV	40391	70664	34.39%	5.316%
98	13.853	1954	1960	1970	rBV	41569	82266	40.03%	6.189%
99	14.383	2044	2047	2051	rBV4	7309	9944	4.84%	0.748%
100	14.542	2071	2073	2078	rVB6	6238	9939	4.84%	0.748%

Sum of corrected areas: 1329322

LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081319\
Data File : VW011895.D
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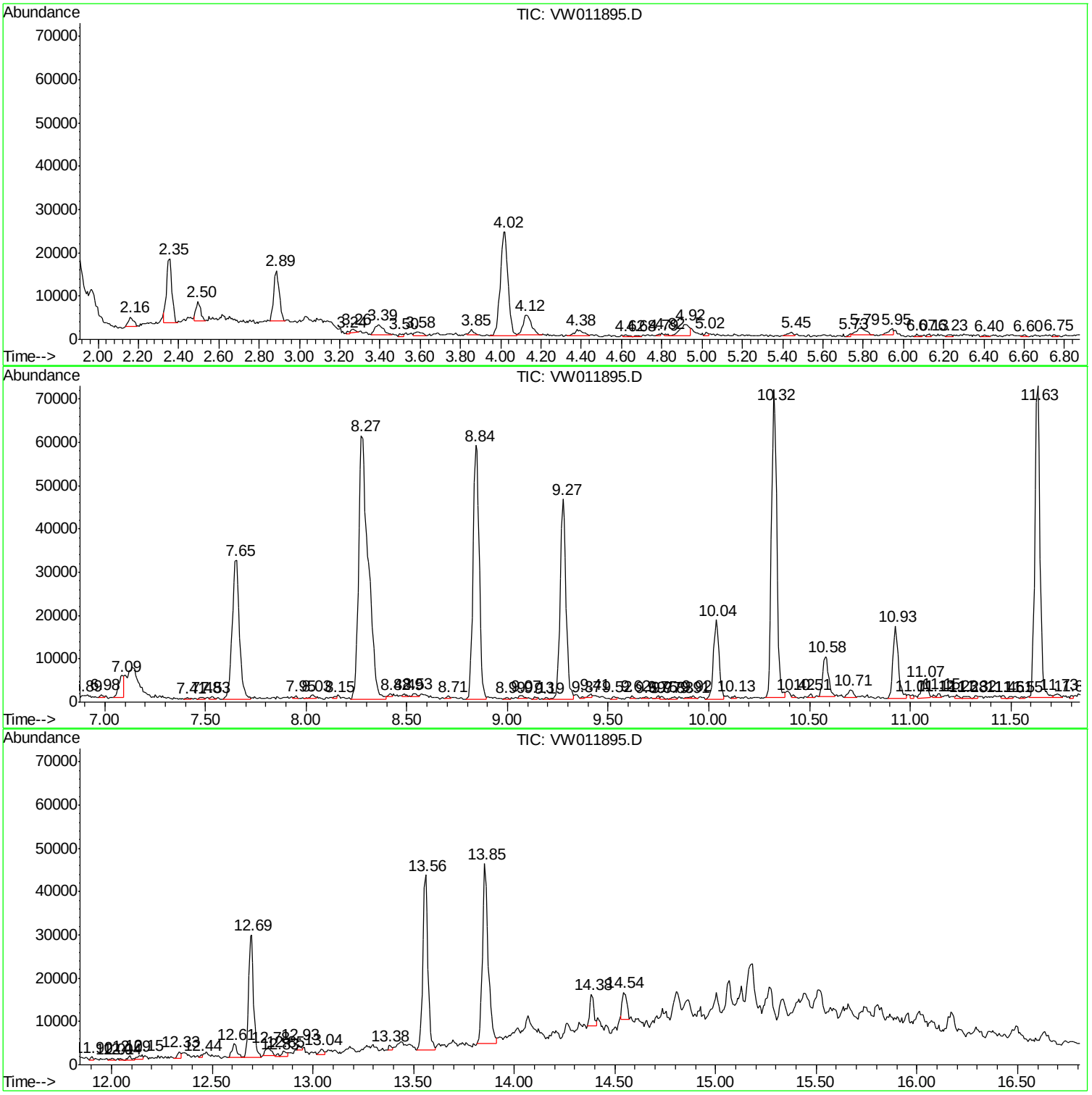
Operator : SY/VA
Sample : K4215-07RE
Misc : 5.62G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOB8RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081319\
Data File : VW011895.D
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ALS Vial : 1 Sample Multiplier: 1

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ClientSampleId : ETOB8RE

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Quant Title : VOC Analysis

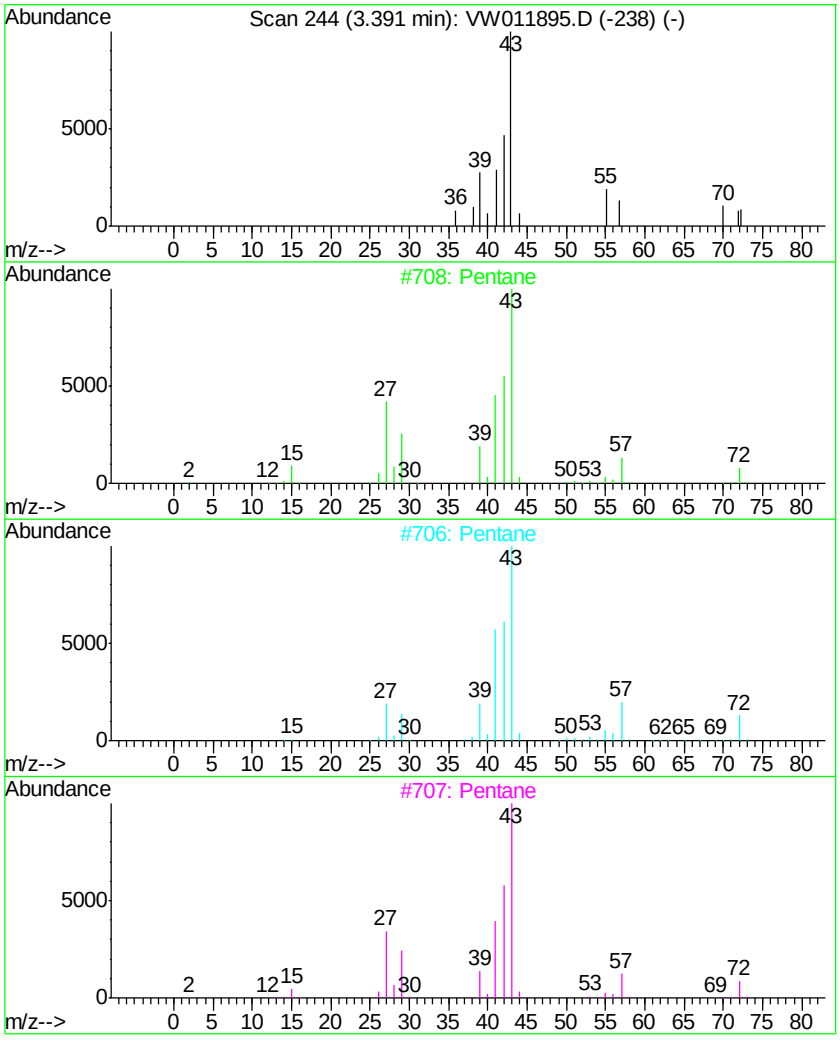
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

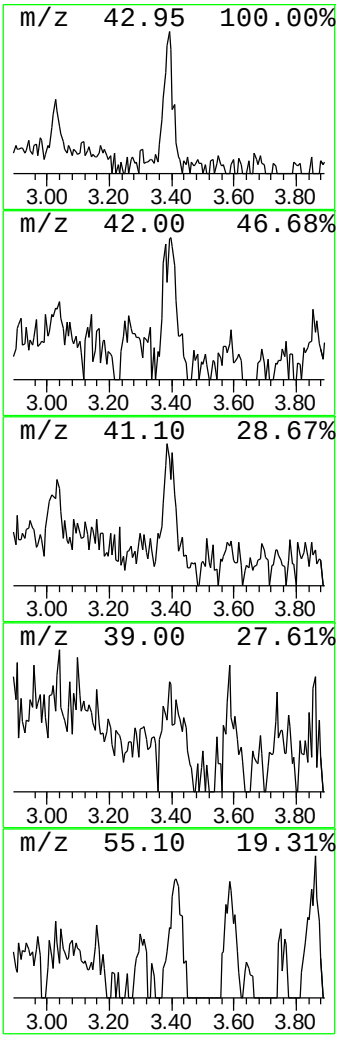
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.39	1.41 ug/L	7025	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	9
2	Pentane	72	C5H12	000109-66-0	7
3	Pentane	72	C5H12	000109-66-0	7
4	Pentane	72	C5H12	000109-66-0	5
5	Oxirane, 2,3-dimethyl-, cis-	72	C4H8O	001758-33-4	4





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081319\
Data File : VW011895.D
Acq On : 13 Aug 2019 15:15
Operator : SY/VA
Sample : K4215-07RE
Misc : 5.62G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOB8RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

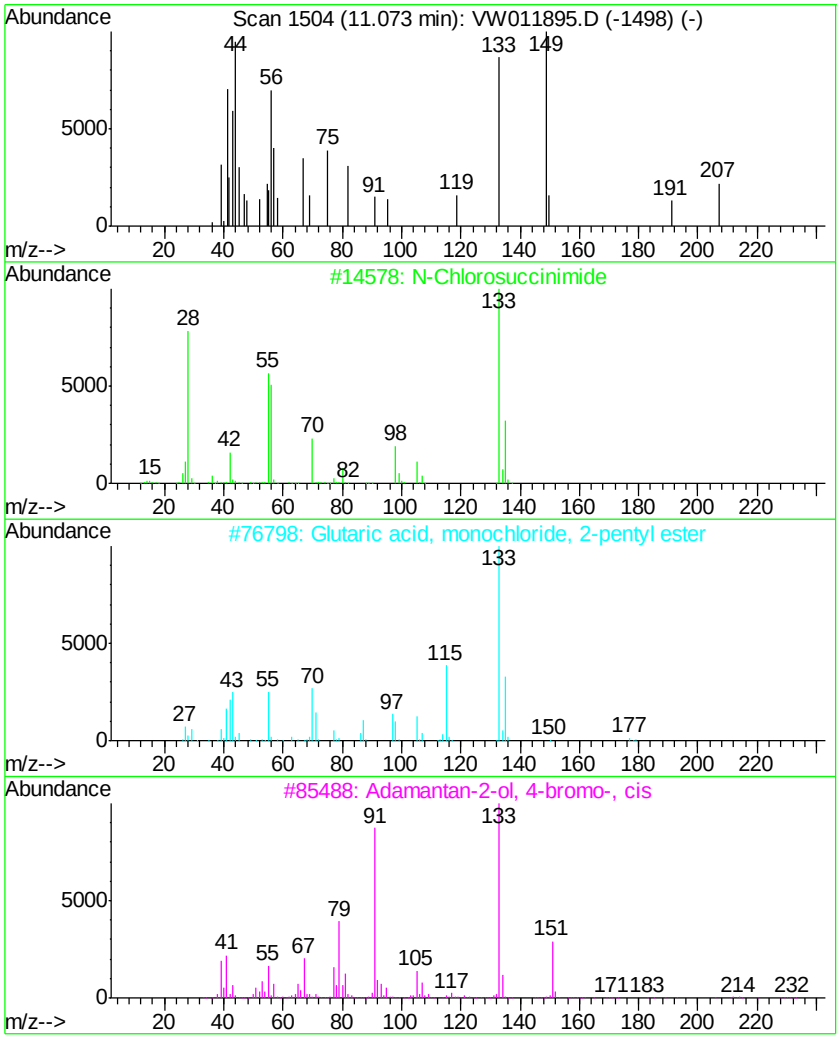
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

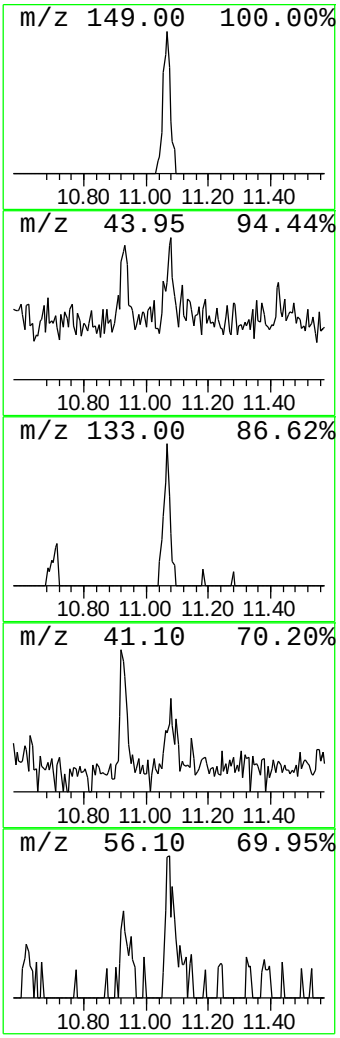
****

Peak Number 5 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	1.63 ug/L	8244	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-Chlorosuccinimide	133	C4H4ClNO2	000128-09-6	27
2	Glutaric acid, monochloride, 2-p...	220	C10H17ClO3	1000358-21-3	12
3	Adamantan-2-ol, 4-bromo-, cis	230	C10H15BrO	033782-47-7	10
4	6-Amino-3-methylpurine	149	C6H7N5	005142-23-4	9
5	1H-Indazol-3-amine	133	C7H7N3	000874-05-5	9





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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

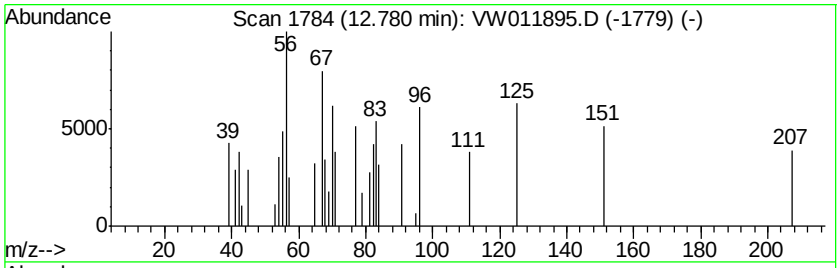
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

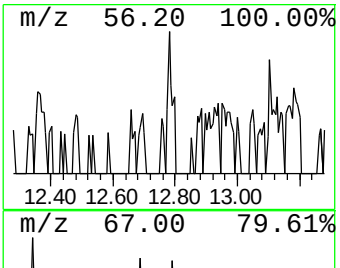
****

Peak Number 7 unknown-02 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.78	1.39 ug/L	3928	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-1,2,4-Triazole-3-carboxaldehy...	111	C4H5N3O	056804-98-9	25
2	Cyclohexene	82	C6H10	000110-83-8	18
3	Bicyclo[4.2.0.]octane, 6,7-dimethyl	138	C10H18	1000063-19-2	14
4	2-(1-Cyclohexenyl)ethylamine	125	C8H15N	003399-73-3	12
5	Chloroacetic acid, nonyl ester	220	C11H21ClO2	005451-96-7	12





Library Search Compound Report

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ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOB8RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

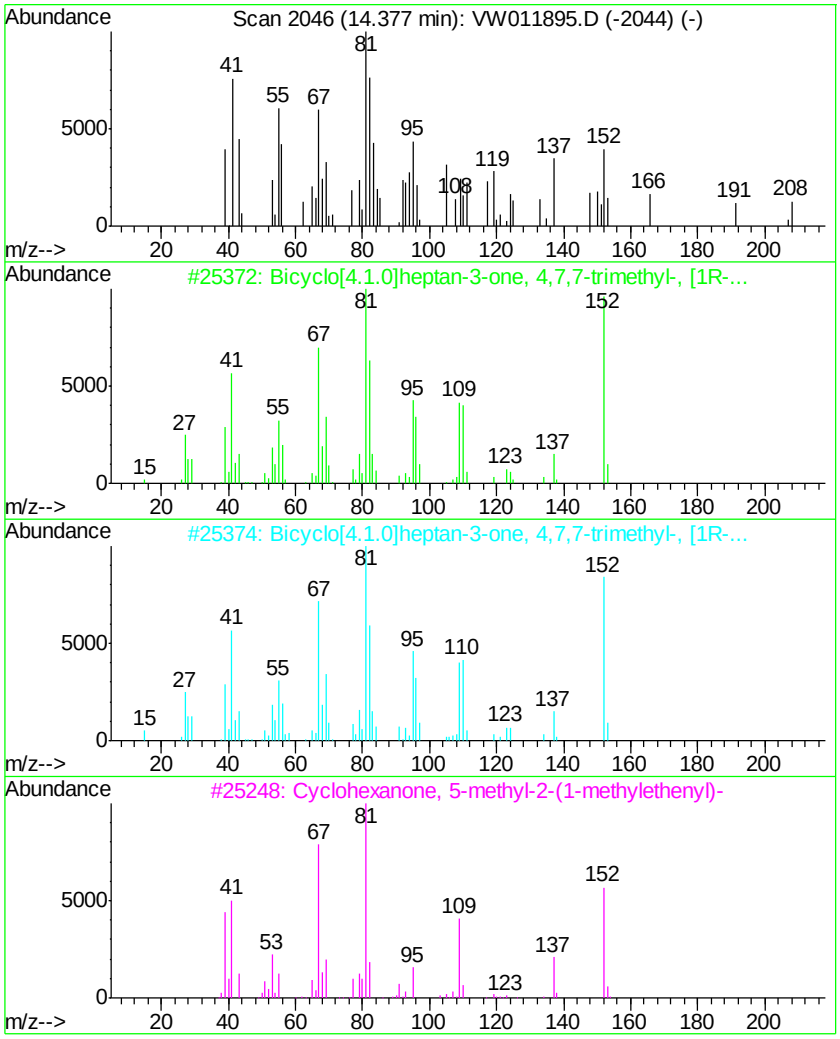
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

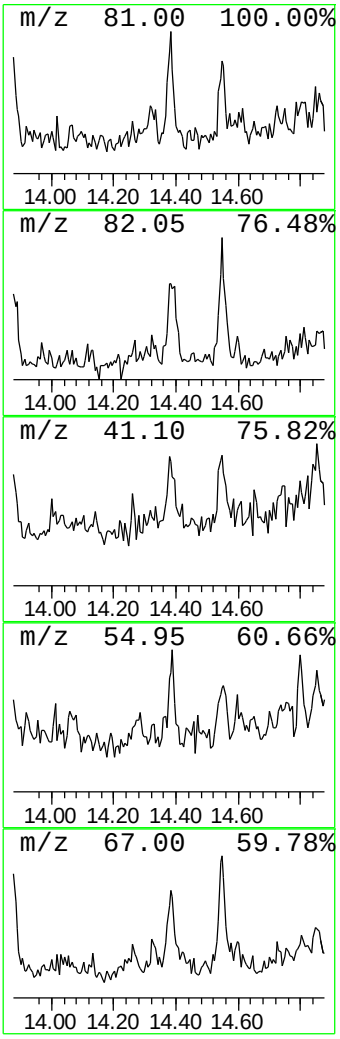
****

Peak Number 8 Bicyclo[4.1.0]heptan-3-one,... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.38	3.52 ug/L	9944	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-01-6	64
2	Bicyclo[4.1.0]heptan-3-one, 4,7,...	152	C10H16O	004176-04-9	62
3	Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	000529-00-0	60
4	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	52
5	Pulegone	152	C10H16O	000089-82-7	49





Library Search Compound Report

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Sample : K4215-07RE
Misc : 5.62G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOB8RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

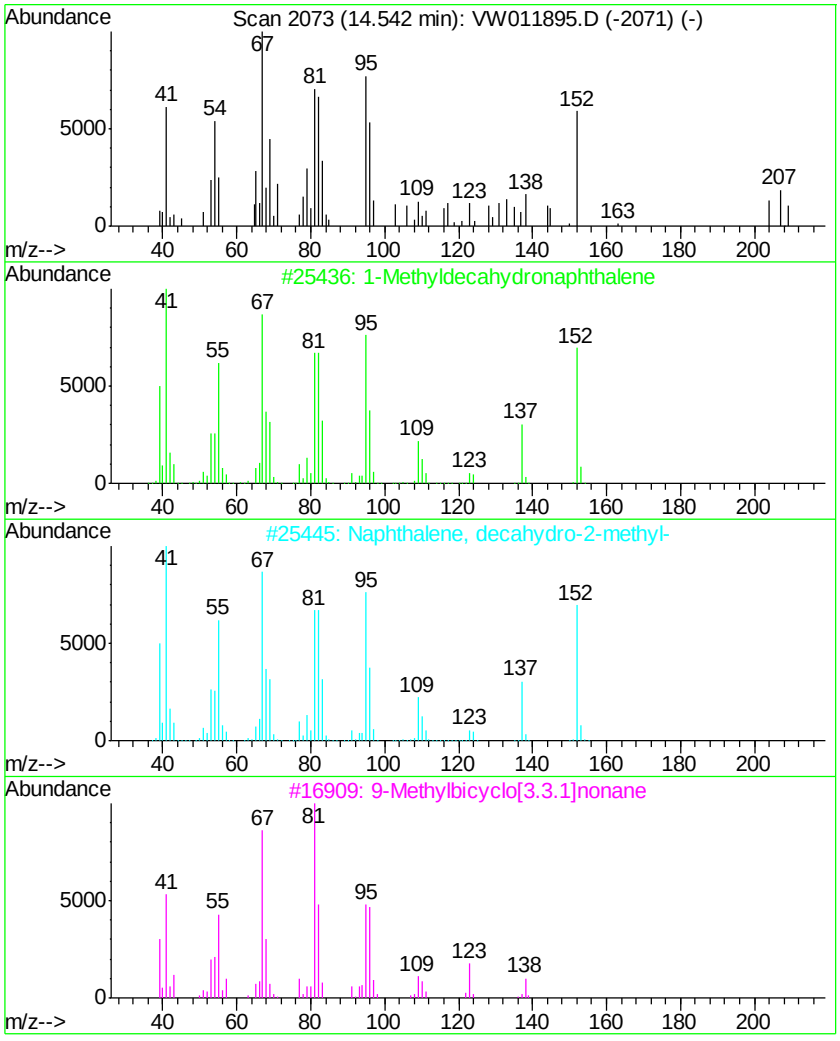
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

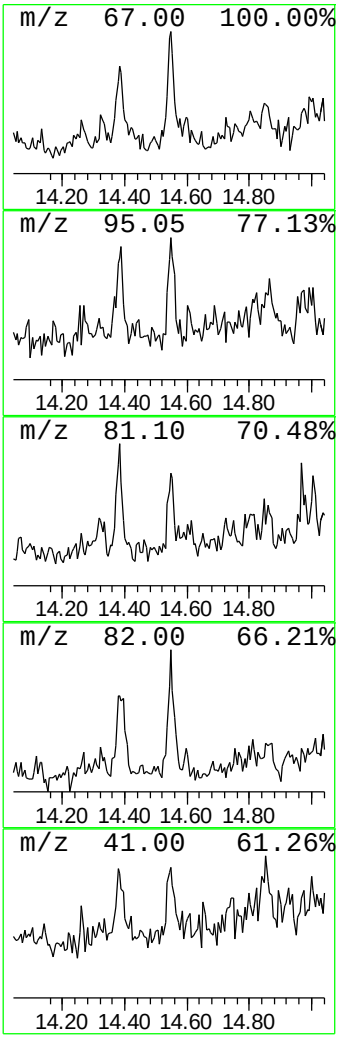
****

Peak Number 9 1-Methyldecahydronaphthalene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.54	3.52 ug/L	9939	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldecahydronaphthalene	152	C11H20	002958-75-0	55
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	46
3	9-Methylbicyclo[3.3.1]nonane	138	C10H18	025107-01-1	43
4	1-Pentadecyne	208	C15H28	000765-13-9	38
5	3a,7a-Epoxy-1H-inden-1-one, hexa...	152	C9H12O2	037079-31-5	30





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081319\
Data File : VW011895.D
Acq On : 13 Aug 2019 15:15
Operator : SY/VA
Sample : K4215-07RE
Misc : 5.62G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : ETOB8RE

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM073019S.M
Quant Title : VOC Analysis

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: Str...	3.39	1.4	ug/L	7025	1	8.84	124968	25.0
unknown-01	11.07	1.6	ug/L	8244	2	11.63	126807	25.0
unknown-02	12.78	1.4	ug/L	3928	3	13.56	70664	25.0
Bicyclo[4.1.0]hep...	14.38	3.5	ug/L	9944	3	13.56	70664	25.0
1-Methyldecahydro...	14.54	3.5	ug/L	9939	3	13.56	70664	25.0