LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072418\
Data File : VW004178.D
Acq On : 24 Jul 2018 16:19
Operator : SY/AP
Sample : J4040-11
Misc : 5.83G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AF0

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\SOM2WLM071818S.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	1.746	18	26	27	rBV	12162	19282	1.60%	0.154%
2	1.801	27	35	50	rVB	477683	1199680	99.40%	9.583%
3	1.953	57	60	66	rBV4	934	1905	0.16%	0.015%
4	2.154	88	93	100	rBV3	4406	10498	0.87%	0.084%
5	2.343	119	124	134	rVB	48935	89011	7.38%	0.711%
6	2.489	144	148	152	rBV2	5152	8216	0.68%	0.066%
7	2.886	205	213	228	rBV	29646	80160	6.64%	0.640%
8	3.879	374	376	384	rVB5	1735	3220	0.27%	0.026%
9	4.001	384	396	411	rBV3	90108	342417	28.37%	2.735%
10	4.562	482	488	489	rBV3	388	650	0.05%	0.005%
11	4.794	522	526	533	rBV2	383	723	0.06%	0.006%
12	4.904	533	544	561	rBV2	8796	37208	3.08%	0.297%
13	5.099	570	576	577	rBV3	660	982	0.08%	0.008%
14	5.208	592	594	599	rVB2	432	577	0.05%	0.005%
15	5.934	703	713	720	rVB5	3106	9620	0.80%	0.077%
16	6.111	738	742	744	rBV2	761	862	0.07%	0.007%
17	6.903	861	872	882	rBV5	5602	17564	1.46%	0.140%
18	7.086	892	902	908	rBV	59734	165844	13.74%	1.325%
19	7.153	909	913	926	rVV	23560	63652	5.27%	0.508%
20	7.239	926	927	930	rVV2	1090	1031	0.09%	0.008%
21	7.434	955	959	960	rBV	935	1009	0.08%	0.008%
22	7.543	970	977	984	rVV6	1729	4354	0.36%	0.035%
23	7.647	984	994	1008	rVV	182534	442638	36.67%	3.536%
24	7.830	1019	1024	1025	rBV2	500	638	0.05%	0.005%
25	8.037	1056	1058	1062	rVB3	538	759	0.06%	0.006%
26	8.153	1075	1077	1080	rVB2	604	574	0.05%	0.005%
27	8.275	1086	1097	1113	rBV2	318198	1002805	83.09%	8.011%
28	8.696	1159	1166	1177	rVB8	4557	12657	1.05%	0.101%
29	8.842	1182	1190	1201	rBV	386844	769277	63.74%	6.145%
30	8.940	1205	1206	1211	rVB3	1181	1110	0.09%	0.009%
31	9.043	1217	1223	1226	rBV4	5006	10545	0.87%	0.084%
32	9.281	1245	1262	1277	rBV	249069	523309	43.36%	4.180%
33	9.415	1277	1284	1295	rVV	61118	116516	9.65%	0.931%
34	9.659	1320	1324	1331	rVB4	2052	3503	0.29%	0.028%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072418\
Data File : VW004178.D
Acq On : 24 Jul 2018 16:19
Operator : SY/AP
Sample : J4040-11
Misc : 5.83G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AF0

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\SOM2WLM071818S.M
Title : VOC Analysis

35	9.744	1336	1338	1340	rBV2	539	661	0.05%	0.005%
36	9.891	1359	1362	1368	rVB4	1239	2447	0.20%	0.020%
37	9.964	1371	1374	1378	rBV5	457	708	0.06%	0.006%
38	10.037	1378	1386	1395	rBV	127043	230074	19.06%	1.838%
39	10.110	1395	1398	1399	rBV2	635	604	0.05%	0.005%
40	10.201	1410	1413	1415	rBV3	782	845	0.07%	0.007%
41	10.330	1425	1434	1441	rBV	412996	743282	61.58%	5.937%
42	10.390	1441	1444	1449	rVV3	5565	10216	0.85%	0.082%
43	10.433	1449	1451	1457	rVV6	2113	2833	0.23%	0.023%
44	10.506	1458	1463	1468	rVV4	5866	10282	0.85%	0.082%
45	10.579	1468	1475	1488	rVB	92412	163790	13.57%	1.308%
46	10.708	1491	1496	1502	rBV	6786	11963	0.99%	0.096%
47	10.787	1506	1509	1511	rBV3	968	1402	0.12%	0.011%
48	10.866	1516	1522	1526	rVV3	10671	19548	1.62%	0.156%
49	10.933	1526	1533	1549	rVB	231437	394832	32.71%	3.154%
50	11.073	1549	1556	1571	rBV	747517	1206924	100.00%	9.641%
51	11.177	1571	1573	1578	rVB5	2319	3130	0.26%	0.025%
52	11.439	1614	1616	1623	rVB5	1434	1874	0.16%	0.015%
53	11.506	1625	1627	1628	rBV2	984	708	0.06%	0.006%
54	11.634	1641	1648	1658	rVV	599370	994494	82.40%	7.944%
55	11.732	1662	1664	1669	rVB5	2216	3472	0.29%	0.028%
56	11.799	1671	1675	1678	rVV6	1411	2108	0.17%	0.017%
57	11.841	1678	1682	1692	rVB5	4764	9713	0.80%	0.078%
58	11.957	1699	1701	1704	rVB2	1358	1149	0.10%	0.009%
59	12.024	1708	1712	1721	rVB7	2095	4582	0.38%	0.037%
60	12.177	1732	1737	1744	rVB9	3073	6364	0.53%	0.051%
61	12.244	1745	1748	1749	rBV3	1028	991	0.08%	0.008%
62	12.274	1749	1753	1758	rVB5	1866	3447	0.29%	0.028%
63	12.347	1758	1765	1774	rBV	120322	193303	16.02%	1.544%
64	12.469	1781	1785	1789	rVB4	1405	2071	0.17%	0.017%
65	12.616	1802	1809	1815	rVB	30296	54968	4.55%	0.439%
66	12.701	1815	1823	1831	rBV	285626	481042	39.86%	3.843%
67	12.896	1848	1855	1860	rBV2	15529	30414	2.52%	0.243%
68	12.939	1860	1862	1871	rVB2	9197	14331	1.19%	0.114%
69	13.049	1876	1880	1882	rBV3	1122	1744	0.14%	0.014%
70	13.097	1882	1888	1894	rVV7	7582	19709	1.63%	0.157%
71	13.152	1895	1897	1902	rVV5	4410	7249	0.60%	0.058%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072418\
Data File : VW004178.D
Acq On : 24 Jul 2018 16:19
Operator : SY/AP
Sample : J4040-11
Misc : 5.83G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AF0

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\SOM2WLM071818S.M
Title : VOC Analysis

72	13.201	1902	1905	1910	rVV2	4843	7318	0.61%	0.058%
73	13.256	1910	1914	1919	rVB7	1428	2267	0.19%	0.018%
74	13.311	1919	1923	1927	rBV3	6265	10317	0.85%	0.082%
75	13.408	1932	1939	1947	rBV2	238942	374946	31.07%	2.995%
76	13.567	1958	1965	1971	rBV	640268	1026778	85.07%	8.202%
77	13.658	1977	1980	1984	rVB3	8948	11749	0.97%	0.094%
78	13.774	1994	1999	2006	rBV6	4687	9762	0.81%	0.078%
79	13.859	2006	2013	2020	rVV	489045	791193	65.55%	6.320%
80	13.920	2020	2023	2027	rVB3	3402	4465	0.37%	0.036%
81	14.024	2036	2040	2044	rBV3	12246	19790	1.64%	0.158%
82	14.085	2044	2050	2060	rVB	36640	65252	5.41%	0.521%
83	14.213	2069	2071	2073	rBV3	638	692	0.06%	0.006%
84	14.268	2078	2080	2082	rBV3	696	723	0.06%	0.006%
85	14.335	2084	2091	2104	rBV	212978	329810	27.33%	2.635%
86	14.536	2119	2124	2131	rVB2	11195	15909	1.32%	0.127%
87	14.737	2153	2157	2162	rVB6	2651	4595	0.38%	0.037%
88	14.804	2162	2168	2170	rBV4	1553	2456	0.20%	0.020%
89	14.963	2189	2194	2199	rBV3	12427	19026	1.58%	0.152%
90	15.195	2227	2232	2240	rBV7	6515	14385	1.19%	0.115%
91	15.298	2247	2249	2254	rVB3	888	1107	0.09%	0.009%
92	15.512	2279	2284	2290	rBV	4836	8261	0.68%	0.066%
93	15.676	2307	2311	2314	rBV4	1831	2812	0.23%	0.022%
94	15.871	2335	2343	2355	rBV	91176	176831	14.65%	1.413%
95	16.133	2380	2386	2393	rVB6	4278	9745	0.81%	0.078%
96	16.188	2393	2395	2398	rBV3	583	637	0.05%	0.005%
97	16.377	2424	2426	2428	rBV3	897	948	0.08%	0.008%
98	16.456	2433	2439	2446	rVB2	6363	13999	1.16%	0.112%
99	16.511	2446	2448	2449	rBV2	723	605	0.05%	0.005%
100	16.670	2466	2474	2482	rVV7	4678	12096	1.00%	0.097%

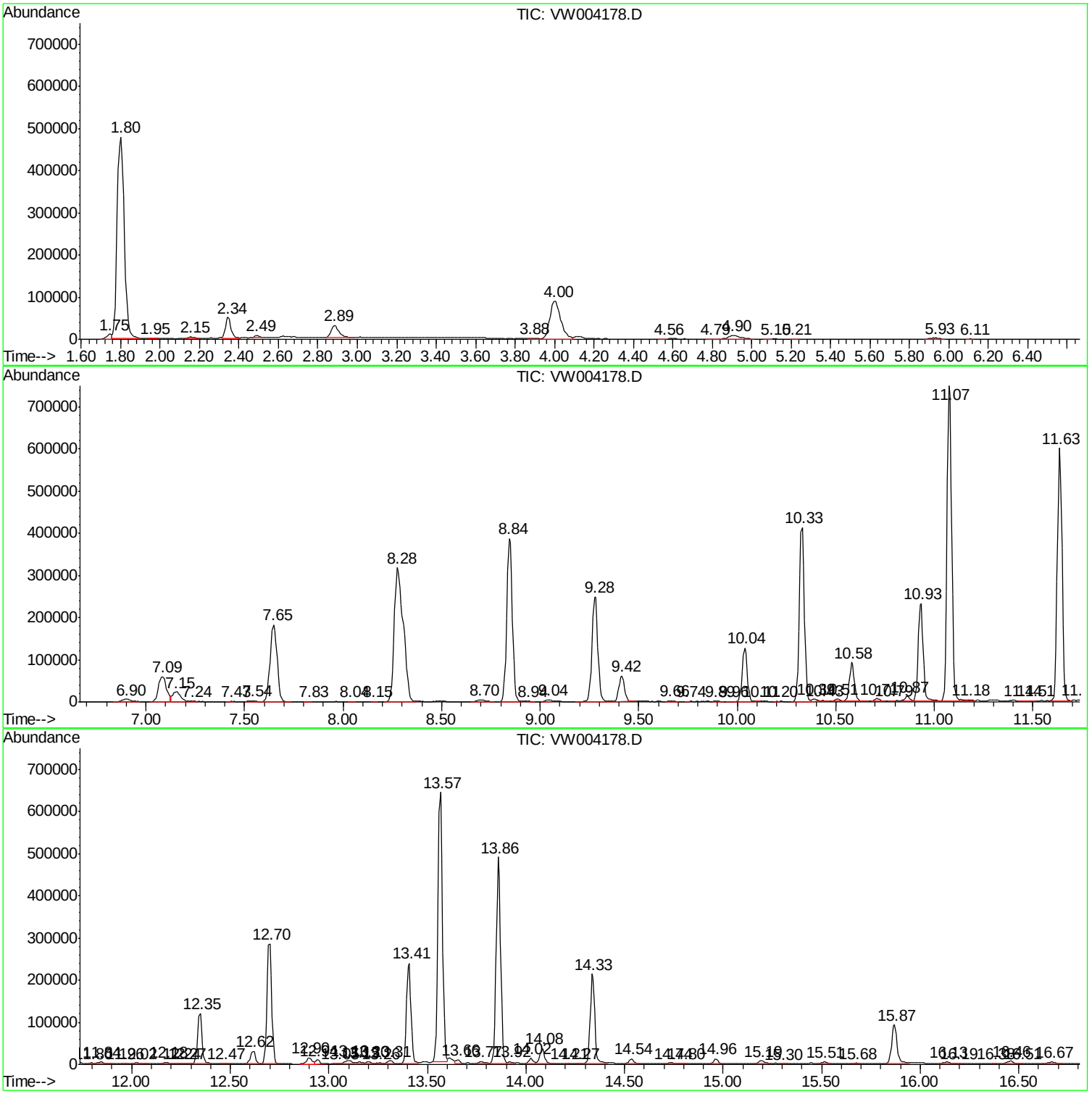
Sum of corrected areas: 12518544

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072418\
Data File : VW004178.D
Acq On : 24 Jul 2018 16:19
Operator : SY/AP
Sample : J4040-11
Misc : 5.83G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072418\
Data File : VW004178.D
Acq On : 24 Jul 2018 16:19
Operator : SY/AP
Sample : J4040-11
Misc : 5.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

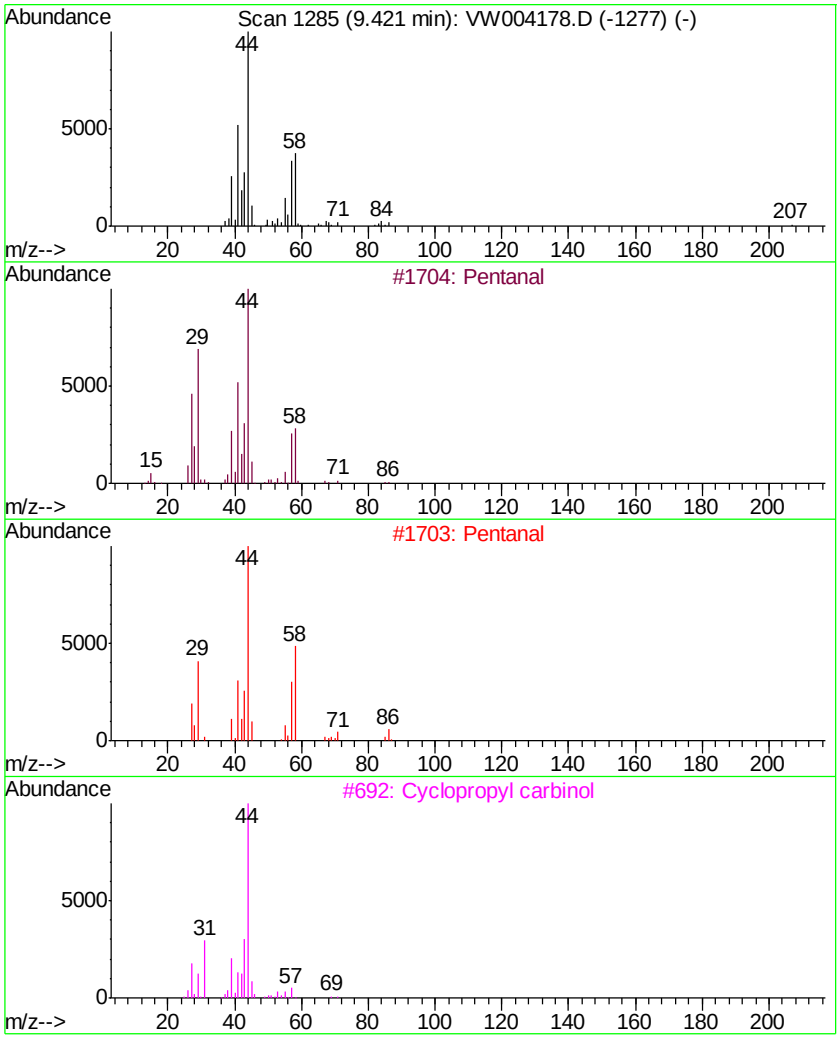
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

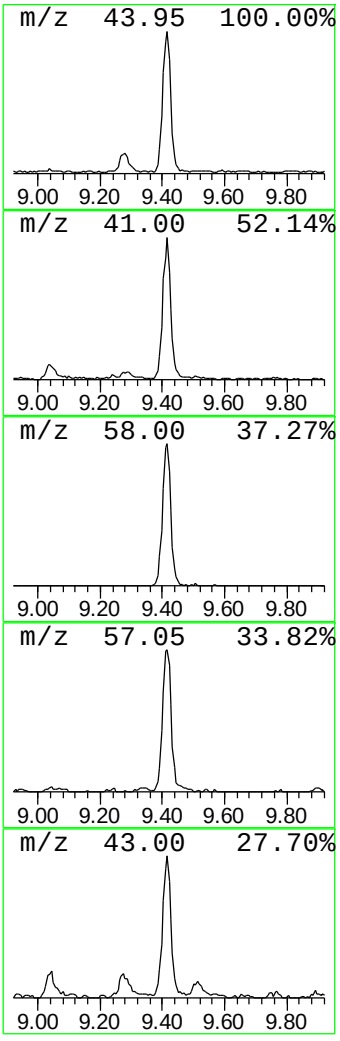
****

Peak Number 3 Pentanal Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	3.79 ug/L	116516	1,4-Difluorobenzene	8.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanal	86	C5H10O	000110-62-3	91
2	Pentanal	86	C5H10O	000110-62-3	64
3	Cyclopropyl carbinol	72	C4H8O	002516-33-8	59
4	Pentanal	86	C5H10O	000110-62-3	50
5	Butanal, 3-methyl-	86	C5H10O	000590-86-3	40





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072418\
Data File : VW004178.D
Acq On : 24 Jul 2018 16:19
Operator : SY/AP
Sample : J4040-11
Misc : 5.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

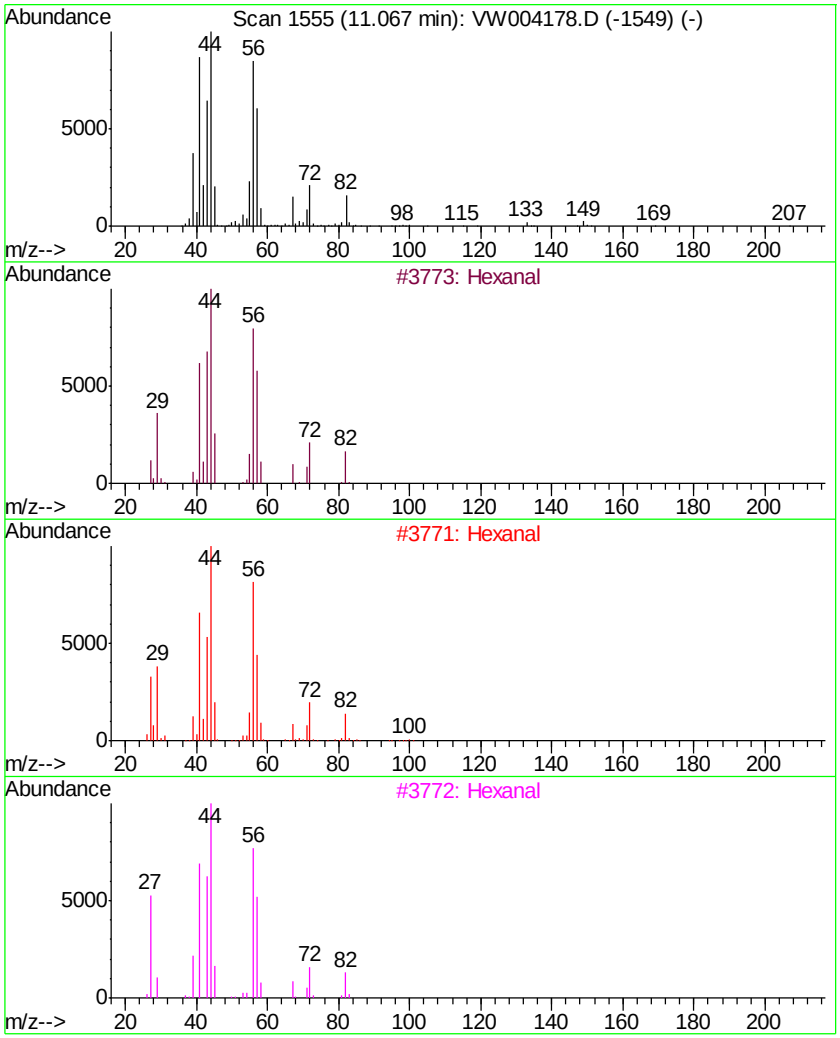
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

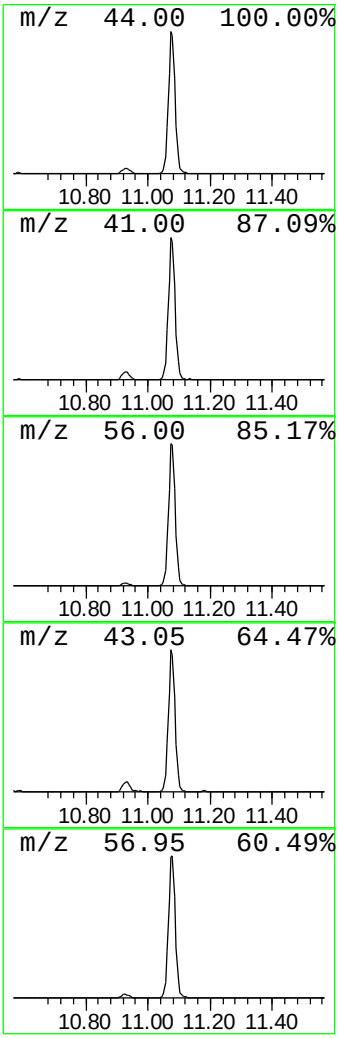
****

Peak Number 5 Hexanal Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	30.34 ug/L	1206920	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	90
2	Hexanal	100	C6H12O	000066-25-1	90
3	Hexanal	100	C6H12O	000066-25-1	90
4	Hexanal	100	C6H12O	000066-25-1	86
5	Cyclobutanol, 2-ethyl-	100	C6H12O	035301-43-0	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072418\
Data File : VW004178.D
Acq On : 24 Jul 2018 16:19
Operator : SY/AP
Sample : J4040-11
Misc : 5.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

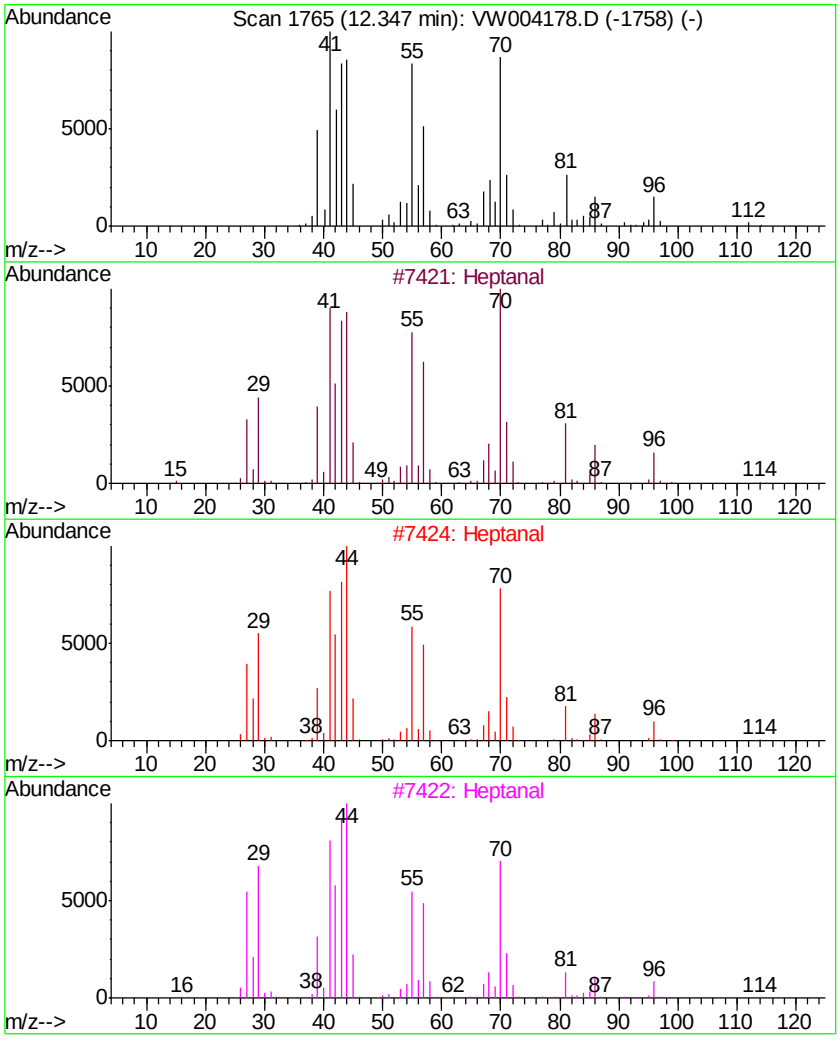
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

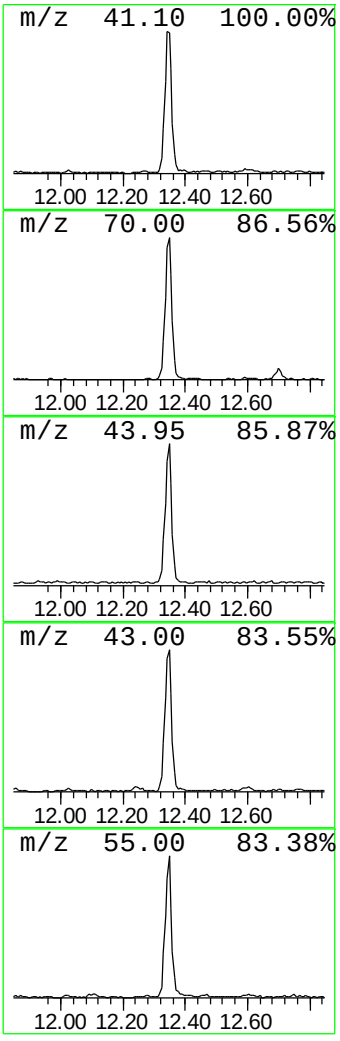
****

Peak Number 6 Heptanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	4.86 ug/L	193303	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptanal	114	C7H14O	000111-71-7	93
2	Heptanal	114	C7H14O	000111-71-7	93
3	Heptanal	114	C7H14O	000111-71-7	87
4	Heptanal	114	C7H14O	000111-71-7	83
5	Heptanal	114	C7H14O	000111-71-7	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072418\
Data File : VW004178.D
Acq On : 24 Jul 2018 16:19
Operator : SY/AP
Sample : J4040-11
Misc : 5.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

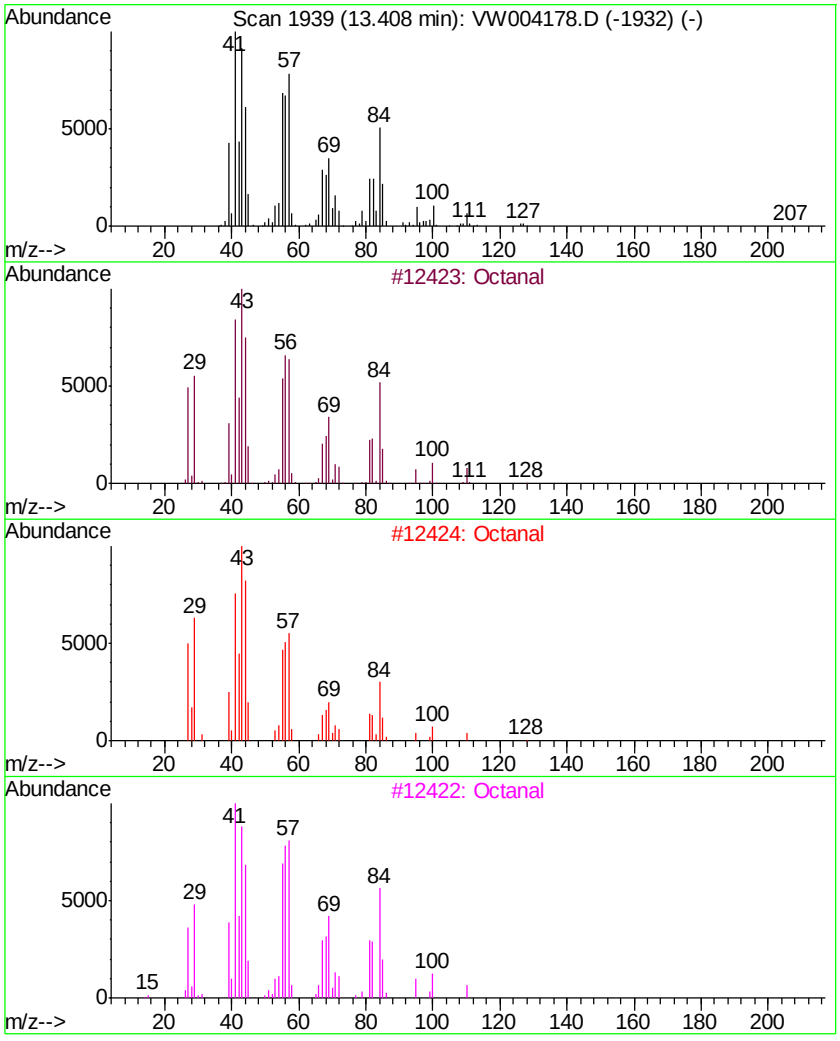
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

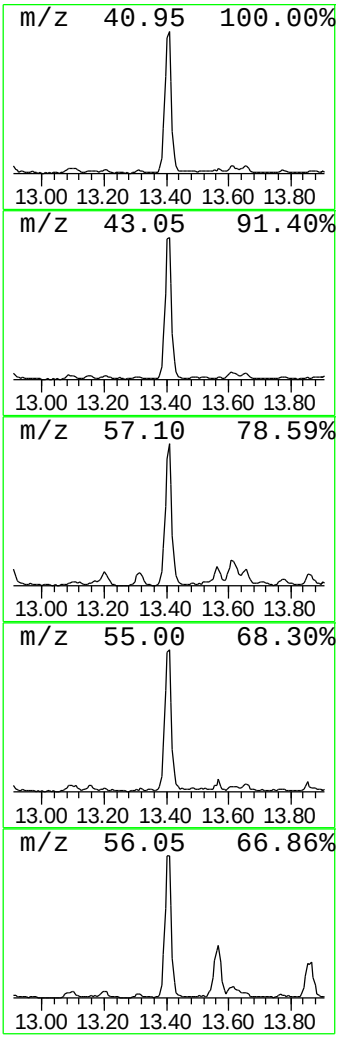
****

Peak Number 8 Octanal Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	9.13 ug/L	374946	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octanal	128	C8H16O	000124-13-0	95
2	Octanal	128	C8H16O	000124-13-0	95
3	Octanal	128	C8H16O	000124-13-0	91
4	Octanal	128	C8H16O	000124-13-0	87
5	Octanal	128	C8H16O	000124-13-0	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072418\
Data File : VW004178.D
Acq On : 24 Jul 2018 16:19
Operator : SY/AP
Sample : J4040-11
Misc : 5.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

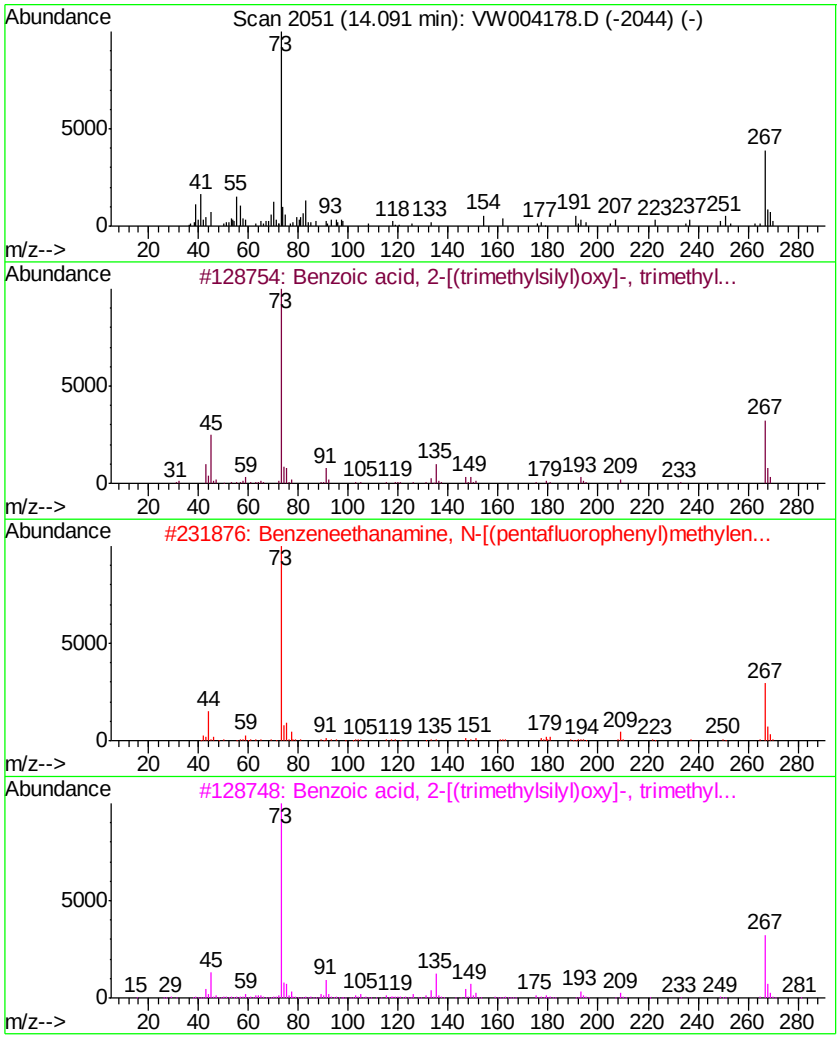
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

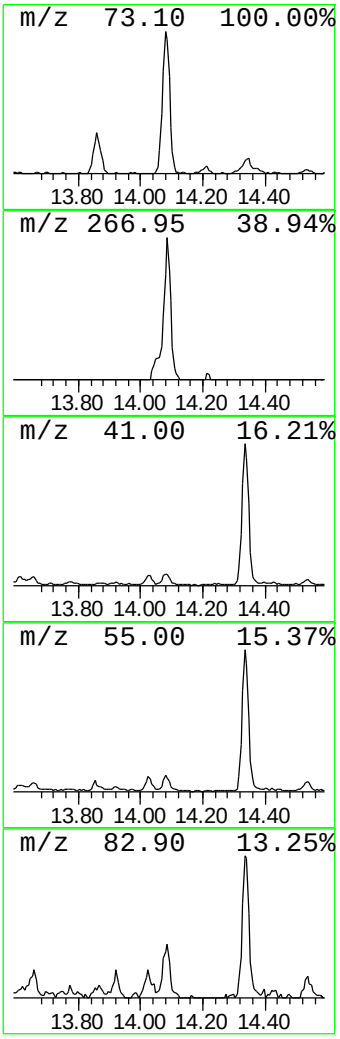
****

Peak Number 9 Benzoic acid, 2-[(trimethyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	1.59 ug/L	65252	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	59
2	Benzeneethanamine, N-[(pentafluo...	475	C21H26F5NO2Si2	055429-85-1	50
3	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	45
4	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	45
5	Benzoic acid, 2-[(trimethylsilyl...	282	C13H22O3Si2	003789-85-3	45





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072418\
Data File : VW004178.D
Acq On : 24 Jul 2018 16:19
Operator : SY/AP
Sample : J4040-11
Misc : 5.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

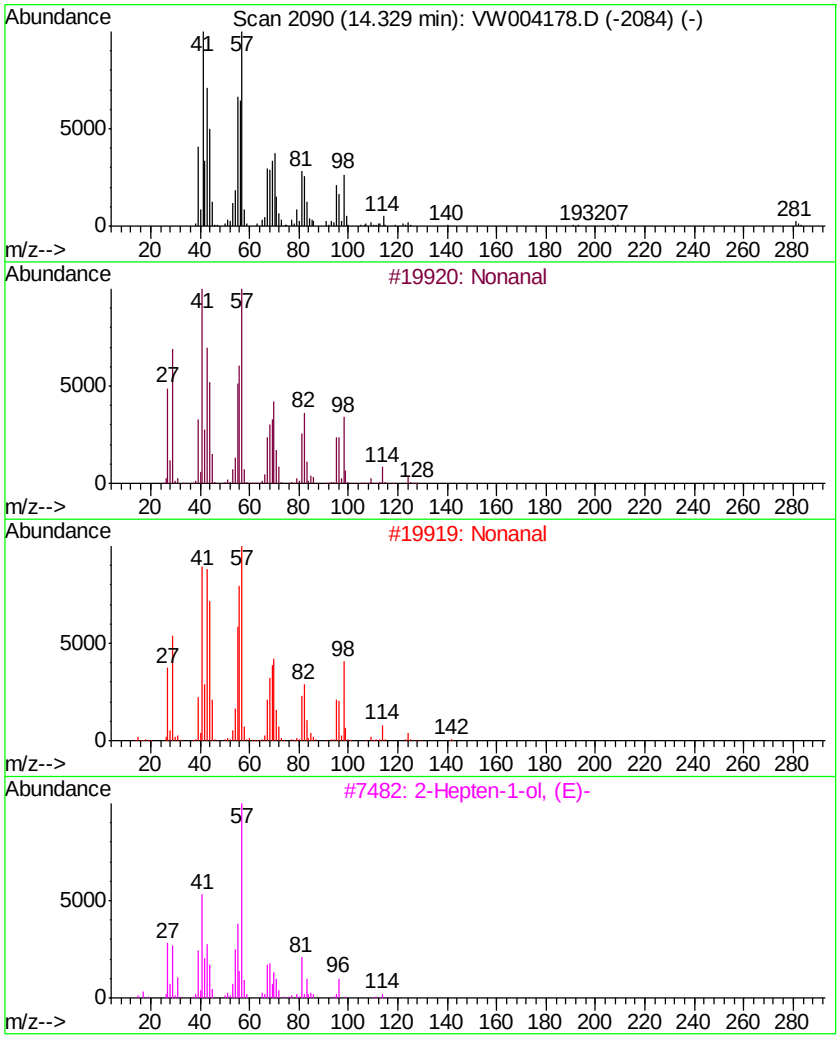
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

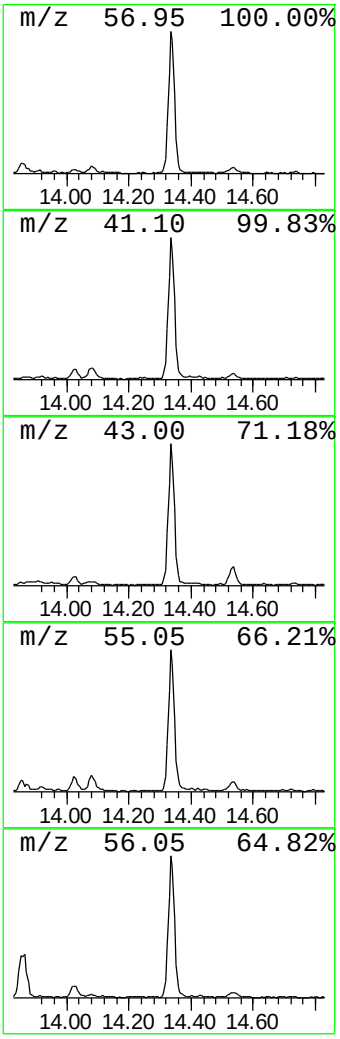
****

Peak Number 10 Nonanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	8.03 ug/L	329810	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanal	142	C9H18O	000124-19-6	91
2	Nonanal	142	C9H18O	000124-19-6	86
3	2-Hepten-1-ol, (E)-	114	C7H14O	033467-76-4	30
4	2-Heptene	98	C7H14	000592-77-8	25
5	Cyclopropane, 1-methyl-2-(3-meth...	140	C10H20	062238-07-7	22





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072418\
Data File : VW004178.D
Acq On : 24 Jul 2018 16:19
Operator : SY/AP
Sample : J4040-11
Misc : 5.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.M
Quant Title : VOC Analysis

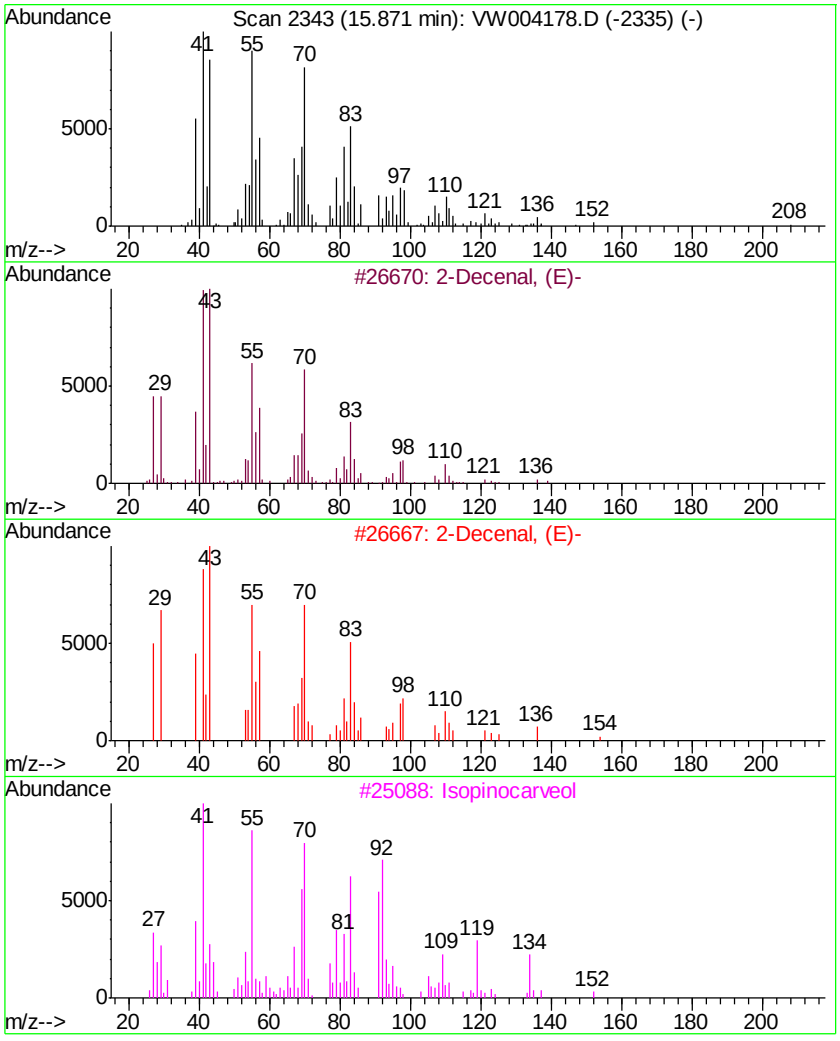
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

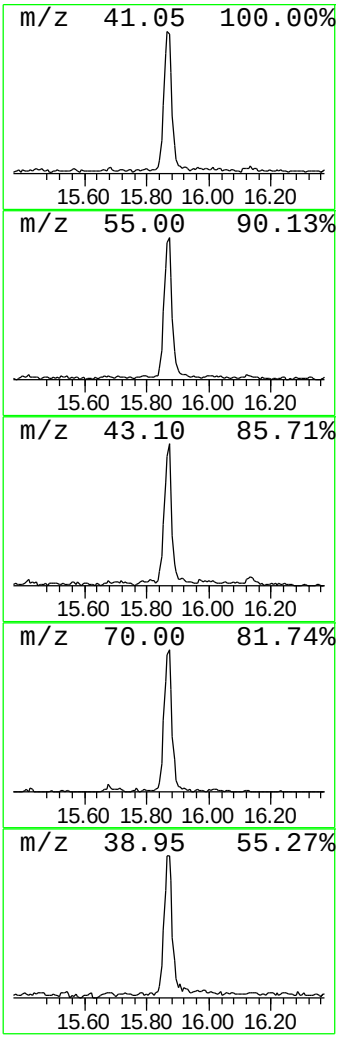
****

Peak Number 11 2-Decenal, (E)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	4.31 ug/L	176831	1,4-Dichlorobenzene-d4	13.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Decenal, (E)-	154	C10H18O	003913-81-3	83
2	2-Decenal, (E)-	154	C10H18O	003913-81-3	83
3	Isopinocarveol	152	C10H16O	006712-79-4	53
4	2-Cyclohexen-1-ol	98	C6H10O	000822-67-3	49
5	2-Cyclohexen-1-ol	98	C6H10O	000822-67-3	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW072418\
Data File : VW004178.D
Acq On : 24 Jul 2018 16:19
Operator : SY/AP
Sample : J4040-11
Misc : 5.83G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : C0AF0

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM071818S.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
Pentanal	9.42	3.8	ug/L	116516	1	8.85	769277	25.0
Hexanal	11.07	30.3	ug/L	1206920	2	11.63	994494	25.0
Heptanal	12.35	4.9	ug/L	193303	2	11.63	994494	25.0
Octanal	13.41	9.1	ug/L	374946	3	13.57	1026780	25.0
Benzoic acid, 2-[...	14.09	1.6	ug/L	65252	3	13.57	1026780	25.0
Nonanal	14.33	8.0	ug/L	329810	3	13.57	1026780	25.0
2-Decenal, (E)-	15.87	4.3	ug/L	176831	3	13.57	1026780	25.0