LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

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\SOM2WLM032520S.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	2.361	65	75	86	rBV	200006	379815	0.11%	0.041%
2	2.898	156	163	179	rVB	156720	394006	0.12%	0.043%
3	4.019	335	347	359	rBV	281892	849180	0.25%	0.092%
4	6.982	824	833	842	rBV2	52920	146843	0.04%	0.016%
5	7.080	842	849	854	rVV	57379	152986	0.05%	0.017%
6	7.135	854	858	876	rVV2	67204	202757	0.06%	0.022%
7	7.647	932	942	959	rVV	416672	1069557	0.32%	0.116%
8	7.951	979	992	1000	rBV3	180274	653800	0.19%	0.071%
9	8.037	1000	1006	1017	rVB2	76536	202967	0.06%	0.022%
10	8.159	1017	1026	1032	rBV	211636	474299	0.14%	0.051%
11	8.275	1032	1045	1050	rBV	848582	2289912	0.68%	0.247%
12	8.433	1062	1071	1078	rBV2	188974	452667	0.13%	0.049%
13	8.506	1078	1083	1088	rVV2	164603	354003	0.11%	0.038%
14	8.573	1088	1094	1107	rVV	277214	661684	0.20%	0.071%
15	8.842	1129	1138	1149	rBV	939024	1850998	0.55%	0.200%
16	9.274	1198	1209	1213	rBV	653974	1528831	0.46%	0.165%
17	9.335	1213	1219	1225	rVB	2126737	4282782	1.27%	0.463%
18	9.518	1243	1249	1254	rBV	192641	341507	0.10%	0.037%
19	9.610	1254	1264	1277	rVB3	289608	730288	0.22%	0.079%
20	9.750	1279	1287	1298	rBV2	354327	725768	0.22%	0.078%
21	9.896	1305	1311	1315	rBV	238312	444876	0.13%	0.048%
22	9.957	1315	1321	1330	rBV2	1230337	2659279	0.79%	0.287%
23	10.036	1330	1334	1337	rVB	196675	259819	0.08%	0.028%
24	10.097	1337	1344	1357	rVB	1337464	2999263	0.89%	0.324%
25	10.244	1364	1368	1373	rVB2	111127	211631	0.06%	0.023%
26	10.323	1373	1381	1385	rBV	3053217	5844644	1.74%	0.631%
27	10.445	1396	1401	1404	rBV	135390	239209	0.07%	0.026%
28	10.494	1404	1409	1417	rVB3	625818	1554749	0.46%	0.168%
29	10.579	1417	1423	1427	rBV3	211904	425974	0.13%	0.046%
30	10.664	1432	1437	1446	rVB	1415700	2545591	0.76%	0.275%
31	10.762	1446	1453	1457	rBV2	816907	1632428	0.49%	0.176%
32	10.847	1463	1467	1472	rVB	500946	797643	0.24%	0.086%
33	10.933	1472	1481	1488	rBV2	1171641	2178537	0.65%	0.235%
34	11.036	1488	1498	1505	rBV	882392	1919149	0.57%	0.207%

LSC Area Percent Report

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Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

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\SOM2WLM032520S.M
Title : VOC Analysis

35	11.109	1505	1510	1513	rVV2	636248	1122252	0.33%	0.121%
36	11.177	1513	1521	1526	rVV	3250548	6256689	1.86%	0.676%
37	11.231	1526	1530	1535	rVV	1965558	3454240	1.03%	0.373%
38	11.286	1535	1539	1542	rVV	392155	643060	0.19%	0.069%
39	11.341	1542	1548	1552	rVV	1054627	1892761	0.56%	0.204%
40	11.402	1552	1558	1561	rVV	1051185	2286138	0.68%	0.247%
41	11.433	1561	1563	1571	rVB	1180352	1809031	0.54%	0.195%
42	11.512	1571	1576	1581	rBV	1603304	2484417	0.74%	0.268%
43	11.628	1588	1595	1604	rBV	1210991	2275846	0.68%	0.246%
44	11.725	1604	1611	1615	rBV2	1113098	2131488	0.63%	0.230%
45	11.768	1615	1618	1621	rVB	589488	769673	0.23%	0.083%
46	11.841	1621	1630	1640	rBV3	143712342	335983423	100.00%	36.284%
47	11.920	1640	1643	1648	rVB	1884912	2953554	0.88%	0.319%
48	11.975	1648	1652	1658	rBV3	233800	564142	0.17%	0.061%
49	12.048	1658	1664	1671	rVB4	905368	2046669	0.61%	0.221%
50	12.140	1671	1679	1690	rBV5	3406680	10842589	3.23%	1.171%
51	12.249	1691	1697	1701	rVB2	1997065	3721288	1.11%	0.402%
52	12.304	1701	1706	1707	rBV	1422958	2112397	0.63%	0.228%
53	12.341	1707	1712	1715	rVV	3521728	6163967	1.83%	0.666%
54	12.384	1716	1719	1723	rVV	3763009	5513406	1.64%	0.595%
55	12.463	1727	1732	1736	rBV	4896861	7420288	2.21%	0.801%
56	12.542	1742	1745	1749	rVB2	1121615	1491941	0.44%	0.161%
57	12.591	1749	1753	1762	rVB	3062895	6255849	1.86%	0.676%
58	12.695	1762	1770	1775	rBV4	2842044	6791111	2.02%	0.733%
59	12.798	1775	1787	1792	rVB3	6799710	20028955	5.96%	2.163%
60	12.865	1792	1798	1802	rBV	23677435	40395643	12.02%	4.362%
61	12.902	1802	1804	1807	rVV	10259914	14408265	4.29%	1.556%
62	12.944	1807	1811	1816	rVV	24255689	39336757	11.71%	4.248%
63	12.993	1816	1819	1824	rVB2	2159944	3125779	0.93%	0.338%
64	13.103	1829	1837	1843	rBV4	2410262	7520610	2.24%	0.812%
65	13.170	1843	1848	1849	rBV2	3827682	5491612	1.63%	0.593%
66	13.249	1856	1861	1867	rBV	57535961	87143258	25.94%	9.411%
67	13.298	1867	1869	1873	rVV2	1397539	1927728	0.57%	0.208%
68	13.383	1877	1883	1885	rVV3	3741145	7580143	2.26%	0.819%
69	13.408	1885	1887	1889	rVV	4988004	6629376	1.97%	0.716%
70	13.444	1889	1893	1897	rVV2	9179755	15518409	4.62%	1.676%
71	13.493	1897	1901	1908	rVB	5004812	9024551	2.69%	0.975%

LSC Area Percent Report

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Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

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\SOM2WLM032520S.M
Title : VOC Analysis

72	13.585	1908	1916	1925	rBV2	29656285	53987460	16.07%	5.830%
73	13.719	1930	1938	1939	rVV5	2740257	4416335	1.31%	0.477%
74	13.749	1939	1943	1946	rVV	13306901	22090687	6.57%	2.386%
75	13.792	1946	1950	1959	rVV3	11485827	25554701	7.61%	2.760%
76	13.877	1959	1964	1970	rVV3	6106832	11028181	3.28%	1.191%
77	13.950	1971	1976	1981	rVV	4828313	7939846	2.36%	0.857%
78	14.011	1981	1986	1988	rVV	5220423	8593506	2.56%	0.928%
79	14.042	1988	1991	1995	rVV	5965949	8689595	2.59%	0.938%
80	14.097	1995	2000	2006	rVV	7829500	11897204	3.54%	1.285%
81	14.158	2006	2010	2013	rVV	1398494	2219228	0.66%	0.240%
82	14.200	2013	2017	2022	rVV2	6768653	11110892	3.31%	1.200%
83	14.255	2022	2026	2034	rVB5	1280360	3607804	1.07%	0.390%
84	14.334	2034	2039	2044	rBV2	2770794	4507692	1.34%	0.487%
85	14.383	2044	2047	2049	rVV2	1326487	1882928	0.56%	0.203%
86	14.420	2049	2053	2056	rVV	3191038	5361029	1.60%	0.579%
87	14.456	2056	2059	2063	rVV	3908497	5324004	1.58%	0.575%
88	14.499	2063	2066	2070	rVV2	1625303	2382559	0.71%	0.257%
89	14.542	2070	2073	2080	rVB4	1202041	2269031	0.68%	0.245%
90	14.639	2084	2089	2093	rVB2	1149017	1791944	0.53%	0.194%
91	14.688	2093	2097	2101	rBV3	676425	1223124	0.36%	0.132%
92	14.731	2101	2104	2108	rVB	621461	863035	0.26%	0.093%
93	14.792	2108	2114	2122	rBV2	3386500	7013817	2.09%	0.757%
94	14.853	2122	2124	2130	rVB	381668	537010	0.16%	0.058%
95	14.956	2137	2141	2146	rVB	595296	843044	0.25%	0.091%
96	15.023	2146	2152	2154	rBV3	86545	176198	0.05%	0.019%
97	15.066	2154	2159	2162	rBV3	296281	483622	0.14%	0.052%
98	15.170	2172	2176	2186	rVB3	342902	795379	0.24%	0.086%
99	15.273	2188	2193	2197	rVV3	72658	167859	0.05%	0.018%
100	15.365	2202	2208	2214	rVB	1583117	2647512	0.79%	0.286%

Sum of corrected areas: 925979973

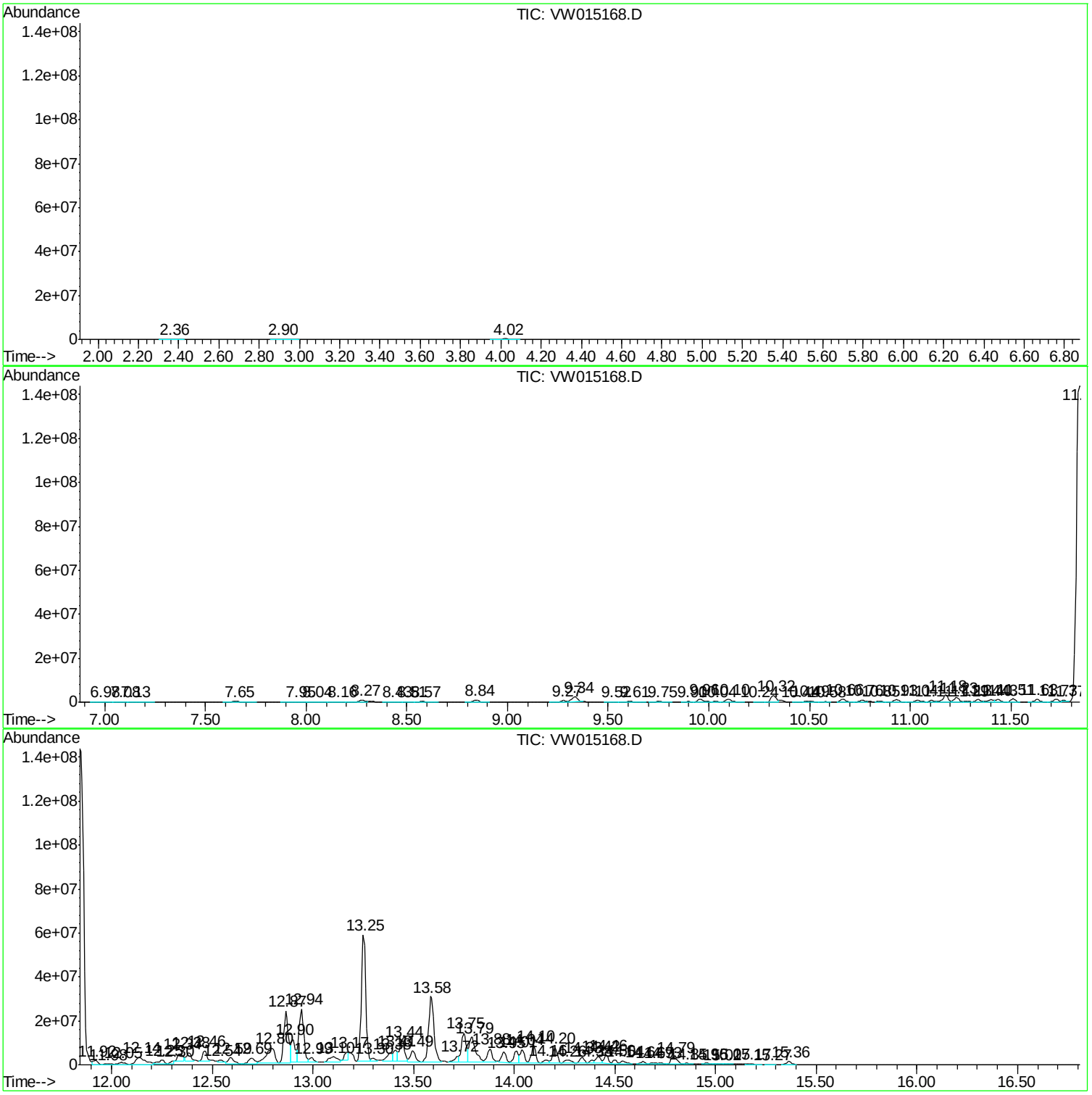
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.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\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

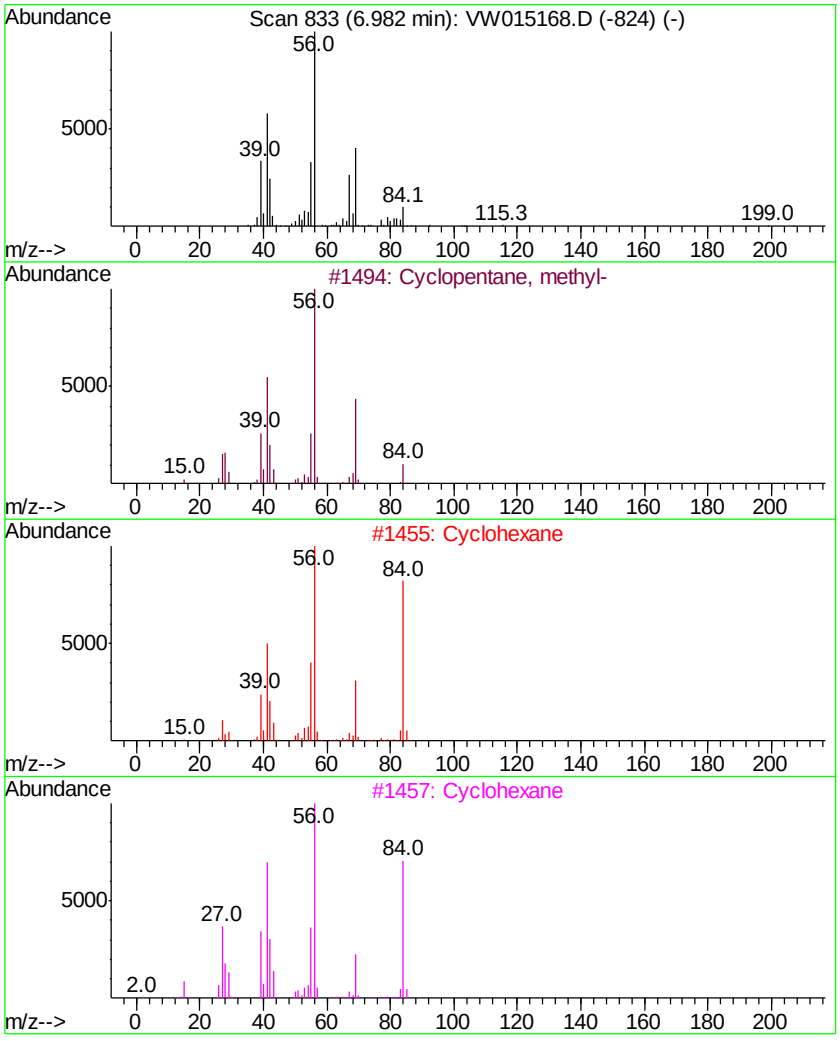
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

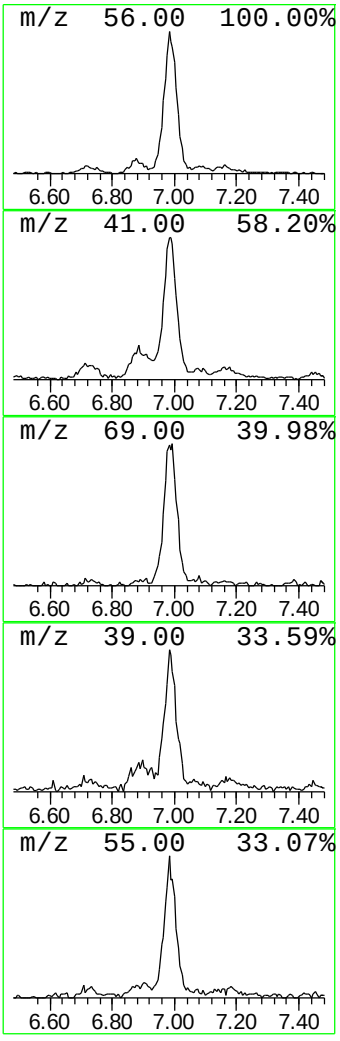
****

Peak Number 1 (DEL) Alkane: Cyclic6.98 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	1.98 ug/L	146843	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	72
2	Cyclohexane	84	C6H12	000110-82-7	64
3	Cyclohexane	84	C6H12	000110-82-7	64
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
5	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

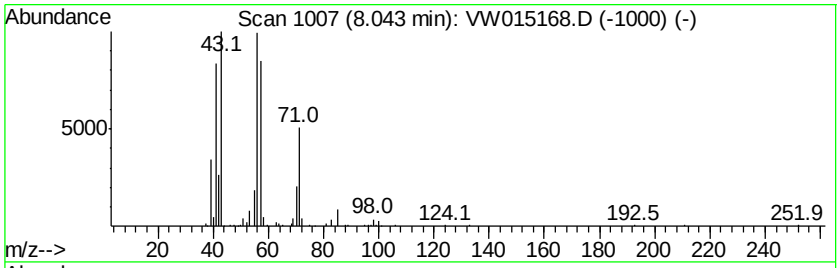
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

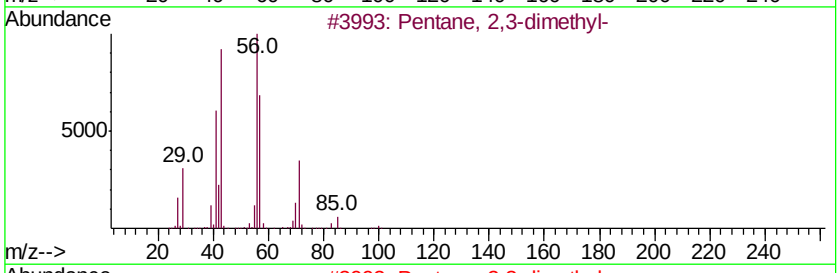
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

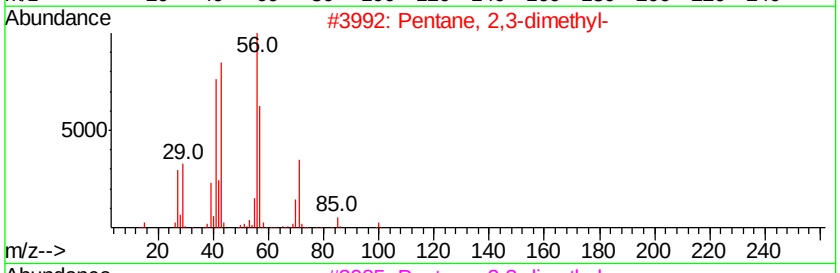
****
Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 52

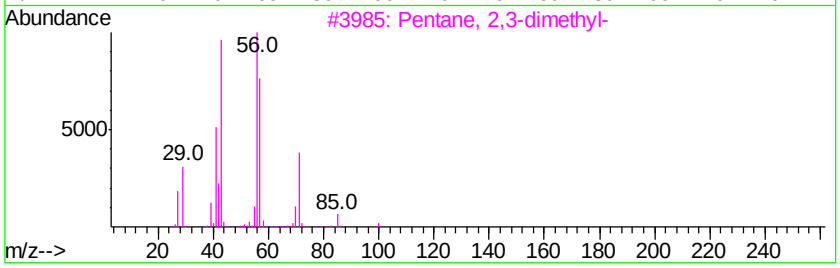
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	2.74 ug/L	202967	1,4-Difluorobenzene	8.84

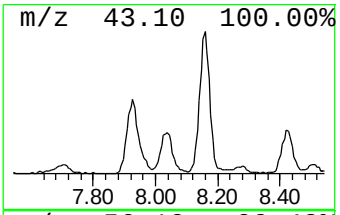
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
2	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	90
3	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	49
4	Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	47
5	Heptane	100	C7H16	000142-82-5	43

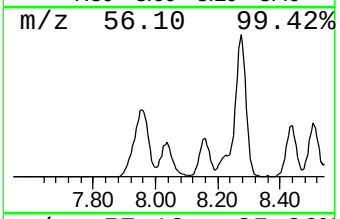


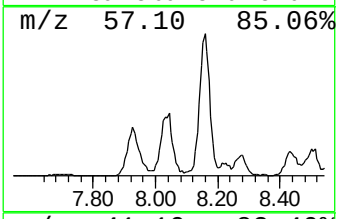


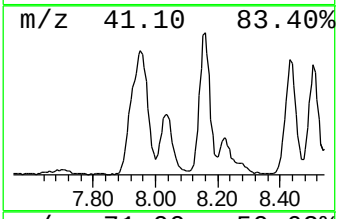


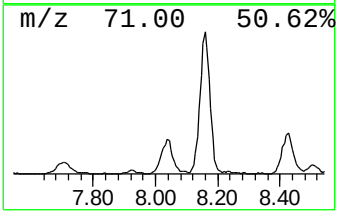












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

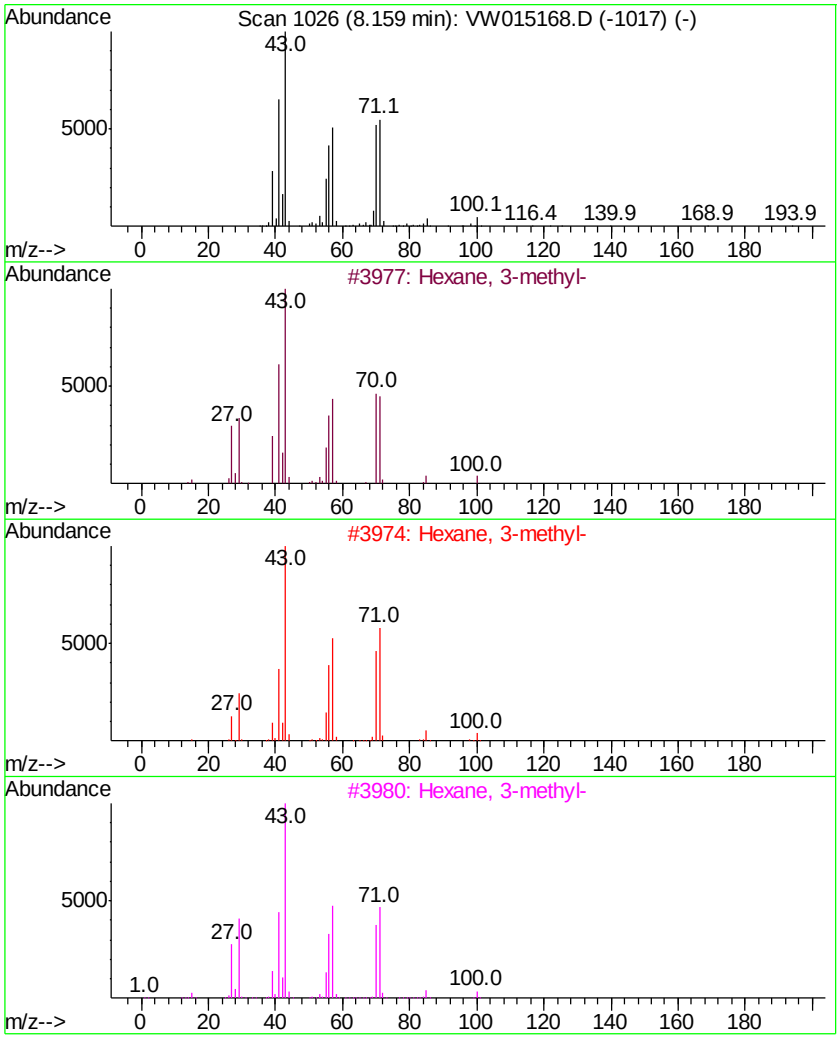
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

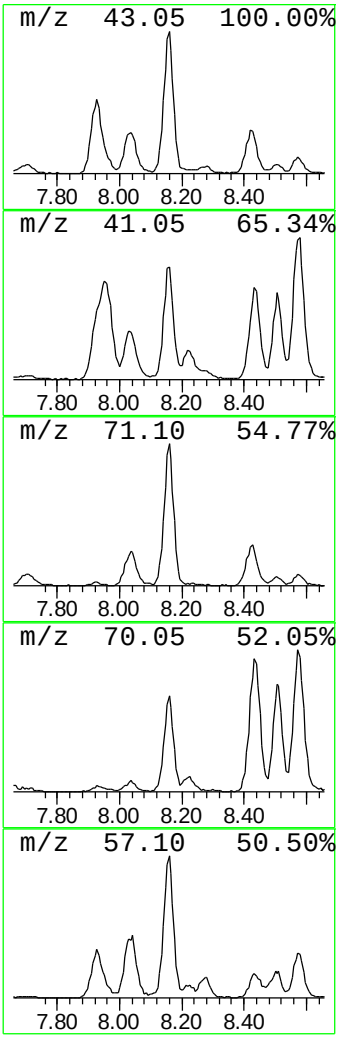
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	6.41 ug/L	474299	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3-methyl-	100	C7H16	000589-34-4	94
2	Hexane, 3-methyl-	100	C7H16	000589-34-4	91
3	Hexane, 3-methyl-	100	C7H16	000589-34-4	90
4	Heptane	100	C7H16	000142-82-5	59
5	Heptane, 4-methyl-	114	C8H18	000589-53-7	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

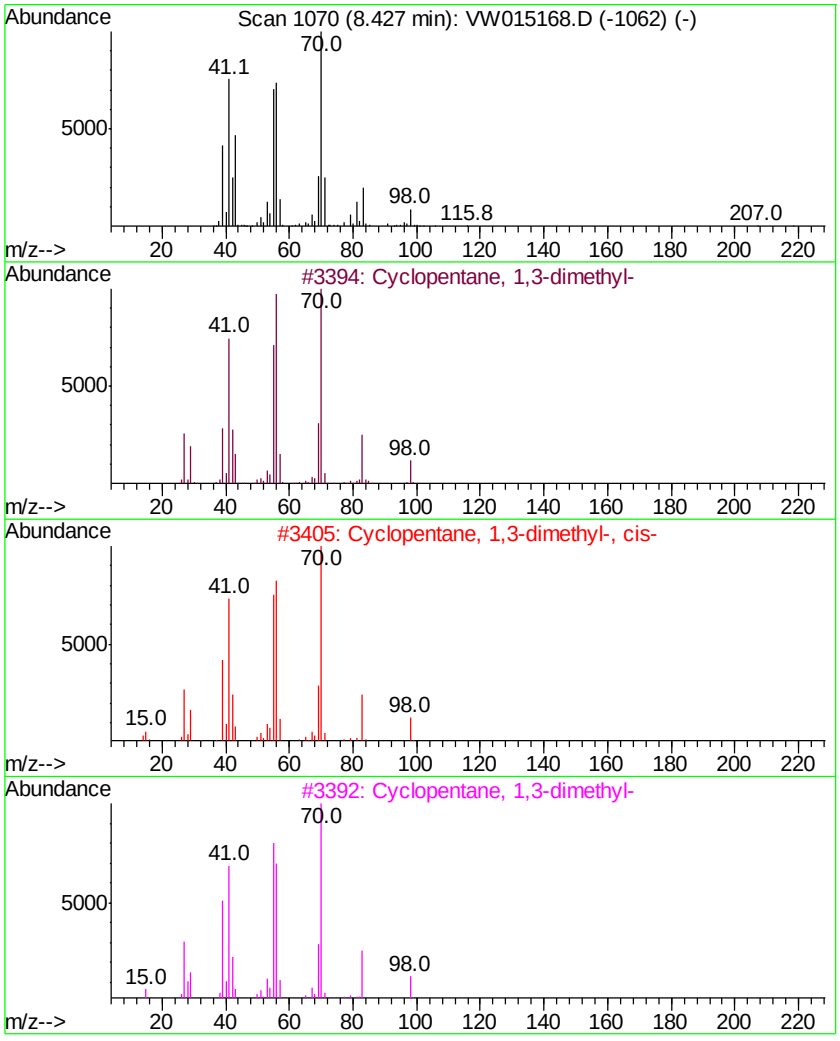
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

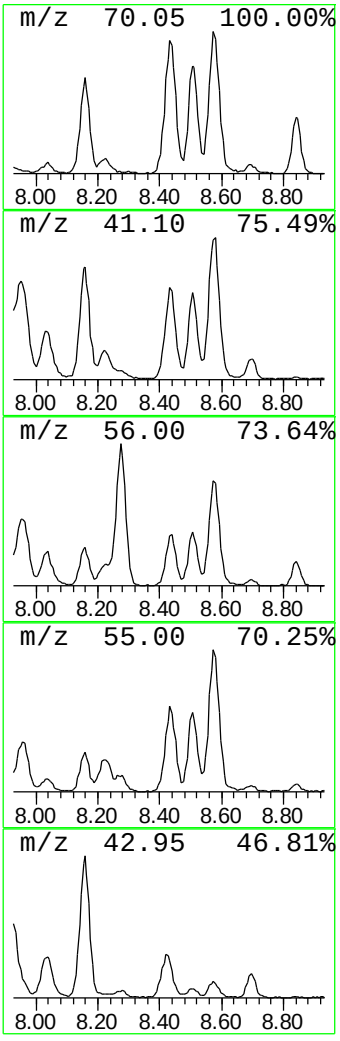
****

Peak Number 4 (DEL) Alkane: Cyclic8.43 Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.43	6.11 ug/L	452667	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	93
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	78
3	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	76
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

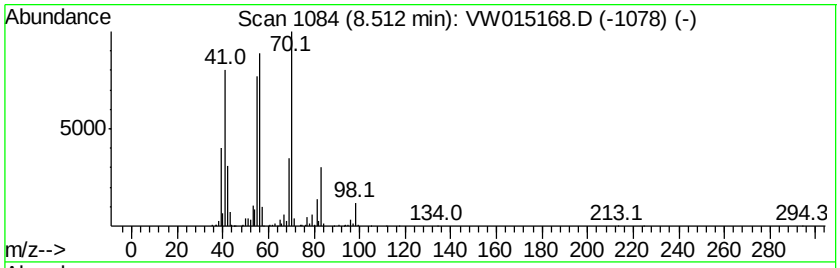
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

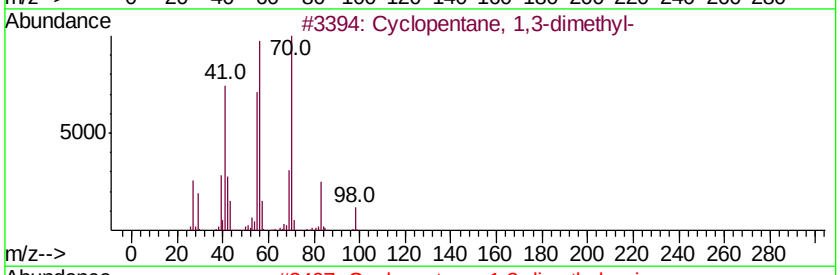
****

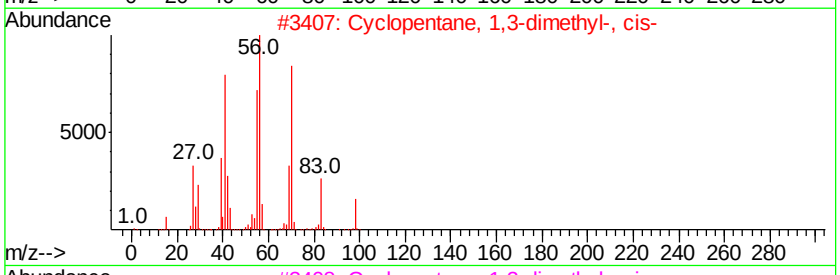
Peak Number 5 (DEL) Alkane: Cyclic8.51 Concentration Rank 41

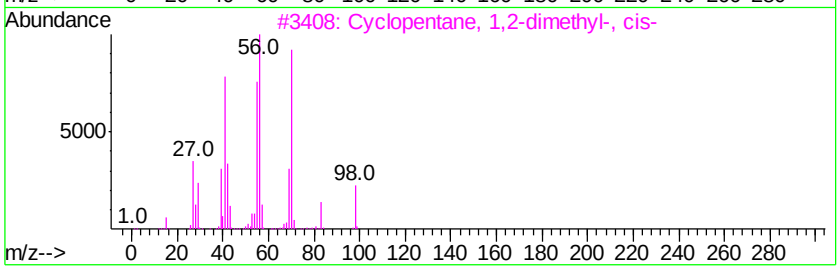
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.51	4.78 ug/L	354003	1,4-Difluorobenzene	8.84

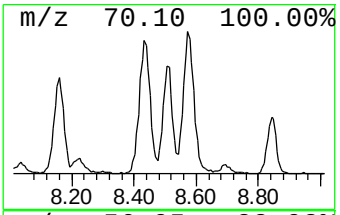
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	76
2	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	64
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	64
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	62
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	59

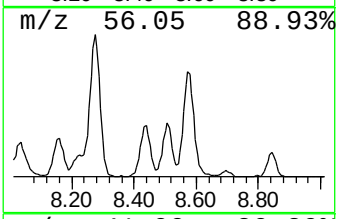


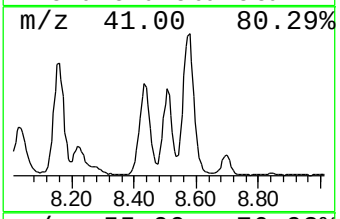


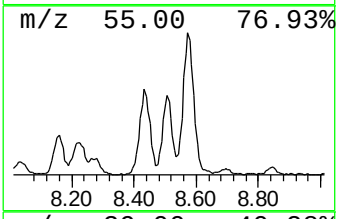


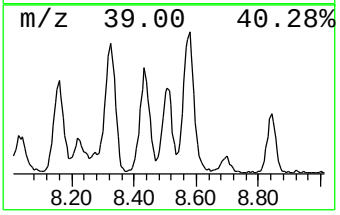












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

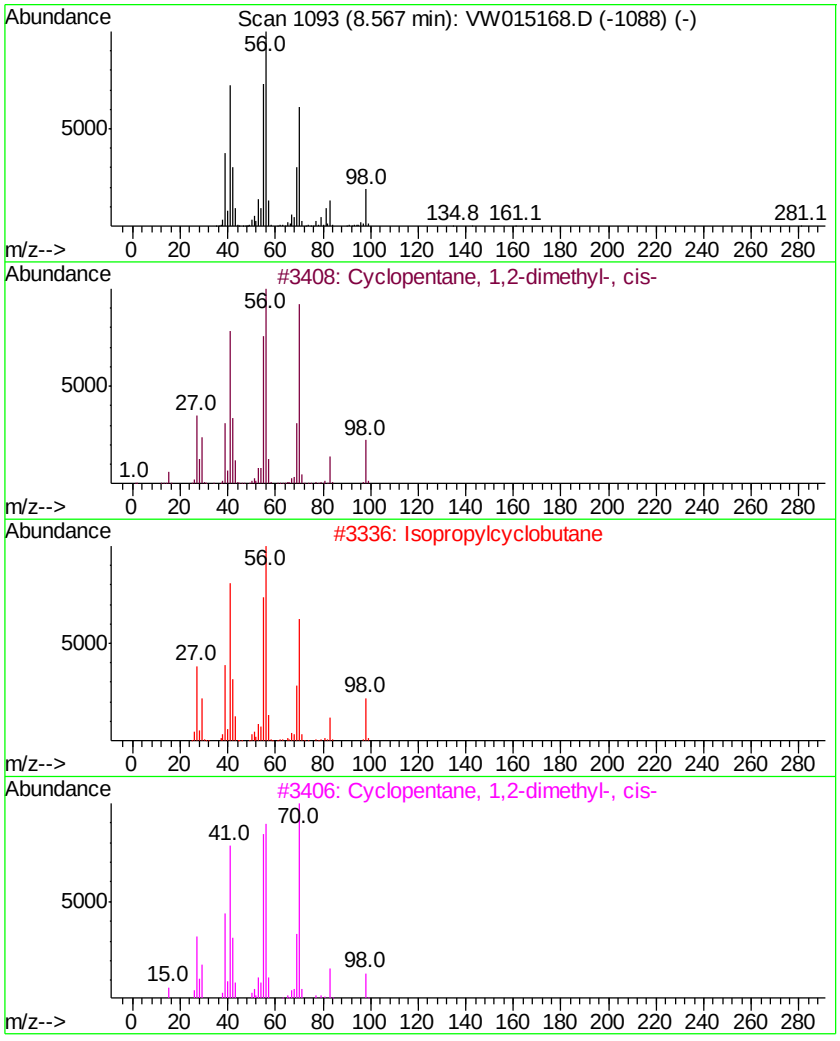
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

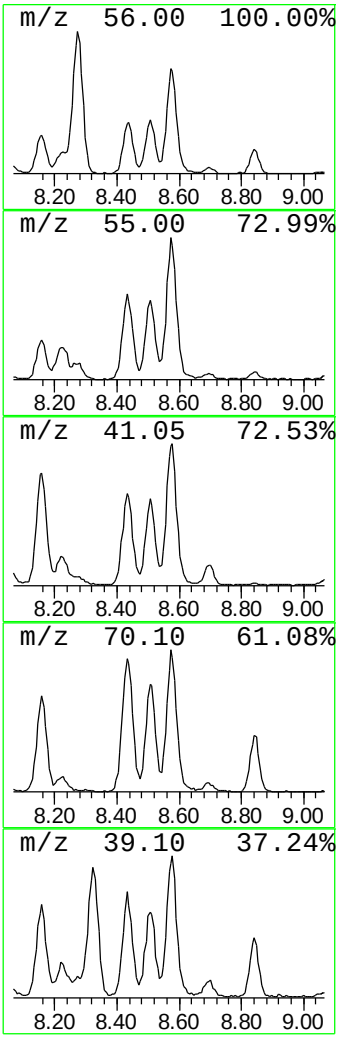
****

Peak Number 6 (DEL) Alkane: Cyclic8.57 Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	8.94 ug/L	661684	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	97
2	Isopropylcyclobutane	98	C7H14	000872-56-0	96
3	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	94
4	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	93
5	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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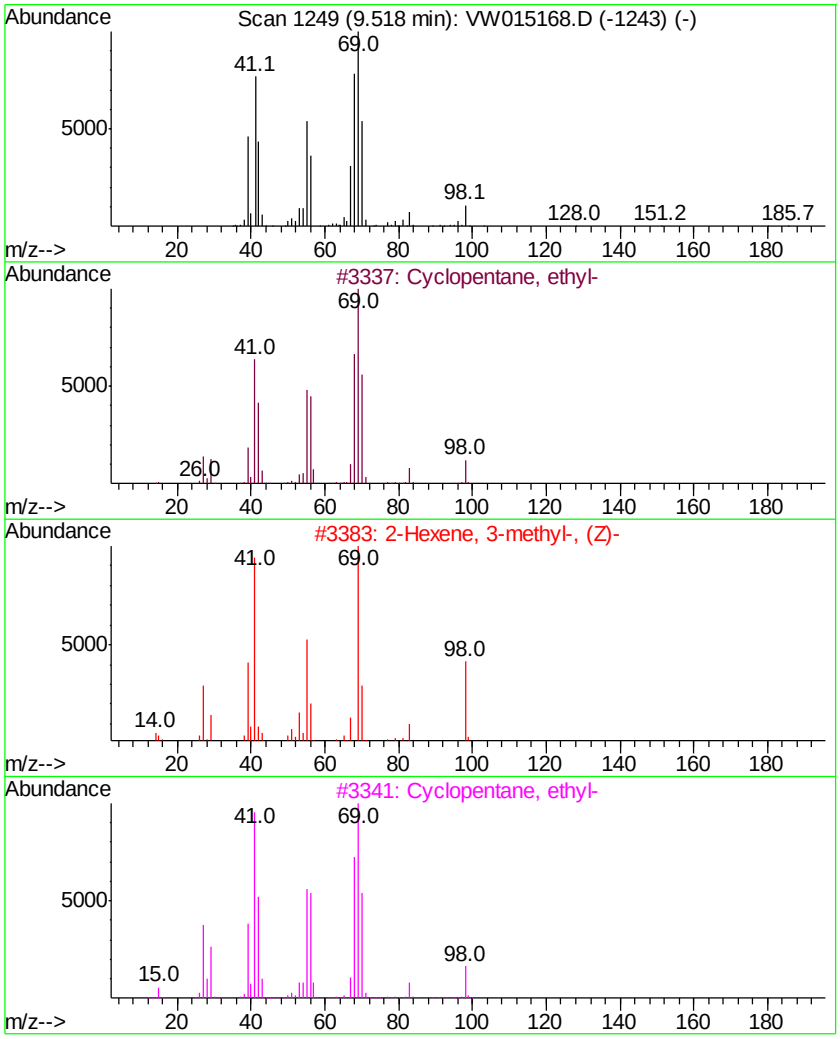
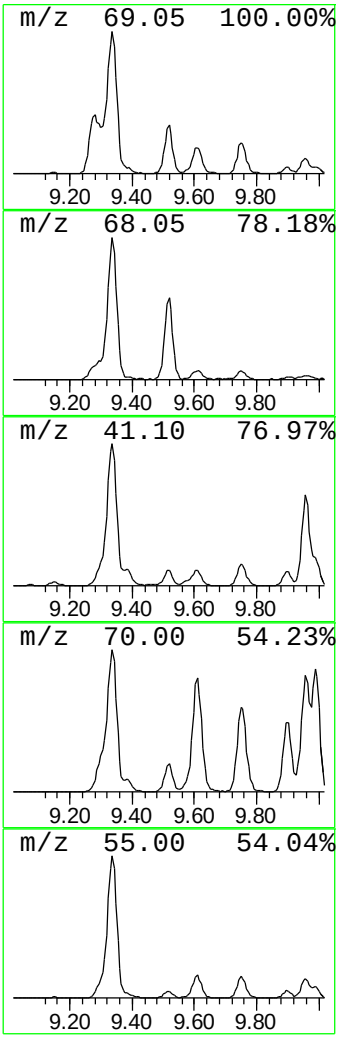
Peak Number 7 (DEL) Alkane: Cyclic9.52 Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	4.61 ug/L	341507	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, ethyl-	98	C7H14	001640-89-7	81
2	2-Hexene, 3-methyl-, (Z)-	98	C7H14	010574-36-4	43
3	Cyclopentane, ethyl-	98	C7H14	001640-89-7	38
4	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	38
5	1-Heptene	98	C7H14	000592-76-7	38





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Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

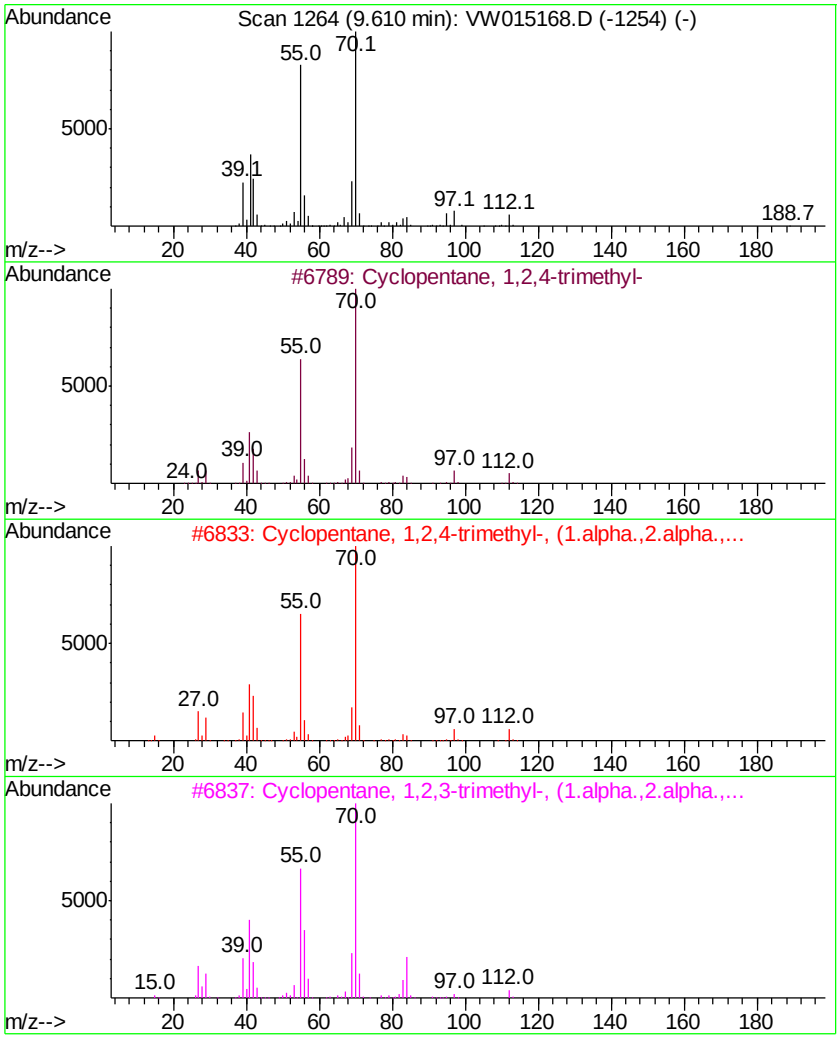
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

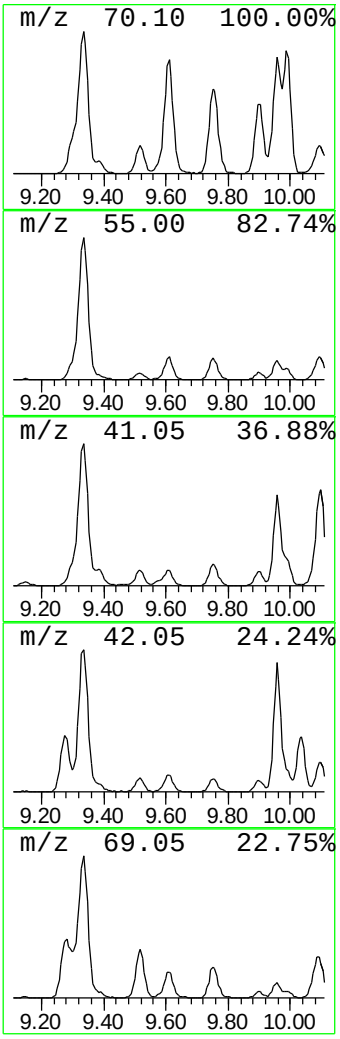
****

Peak Number 8 (DEL) Alkane: Cyclic9.61 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	9.86 ug/L	730288	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,4-trimethyl-	112	C8H16	002815-58-9	91
2	Cyclopentane, 1,2,4-trimethyl-, ...	112	C8H16	004850-28-6	87
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72
4	1,2-Oxaborolane, 2-ethyl-4,5-dim...	126	C7H15BO	074685-45-3	72
5	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	002613-69-6	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

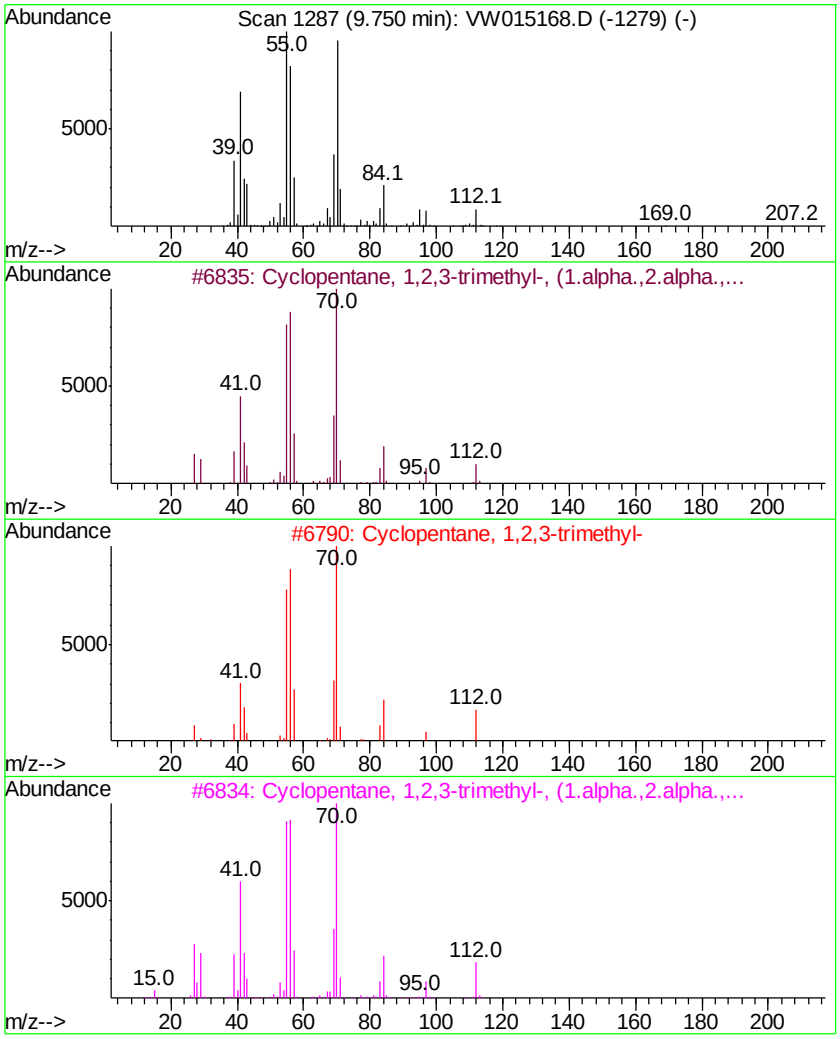
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

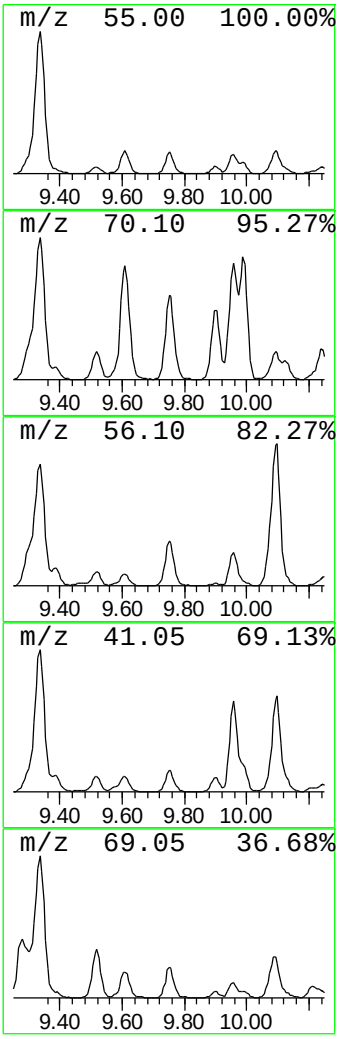
****

Peak Number 9 (DEL) Alkane: Cyclic9.75 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.75	9.80 ug/L	725768	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	91
2	Cyclopentane, 1,2,3-trimethyl-	112	C8H16	002815-57-8	90
3	Cyclopentane, 1,2,3-trimethyl-, ...	112	C8H16	015890-40-1	87
4	1-Heptene, 3-methyl-	112	C8H16	004810-09-7	83
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

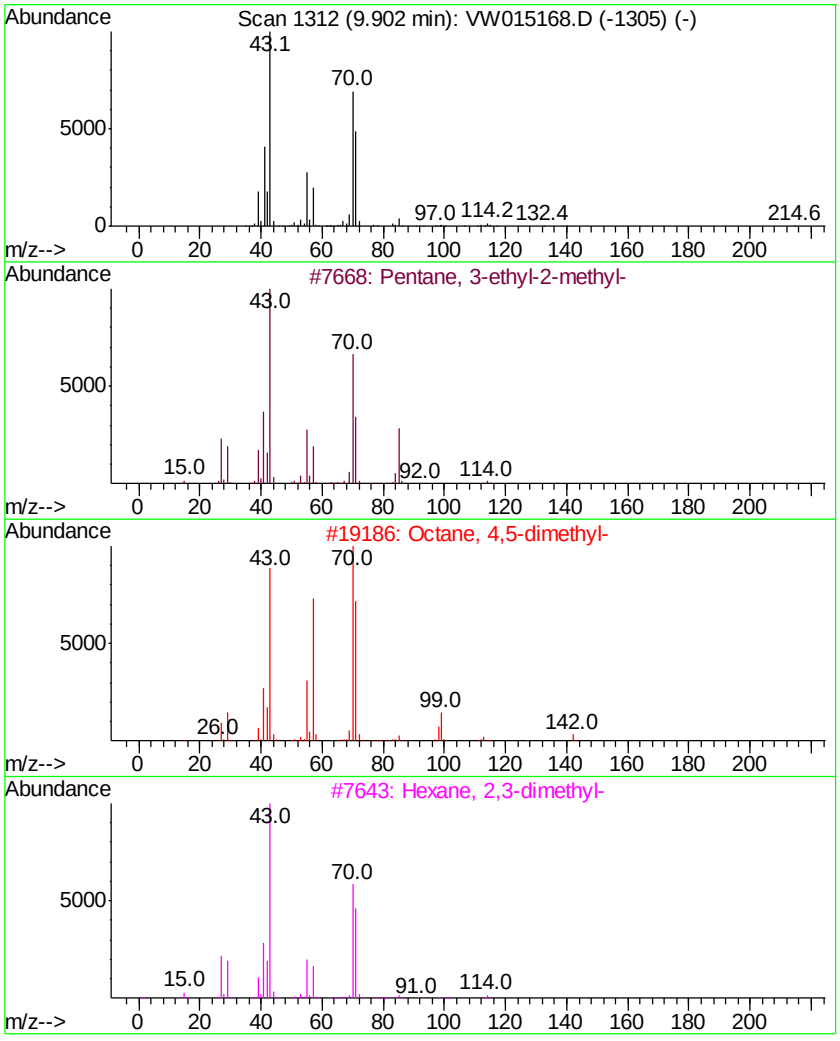
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

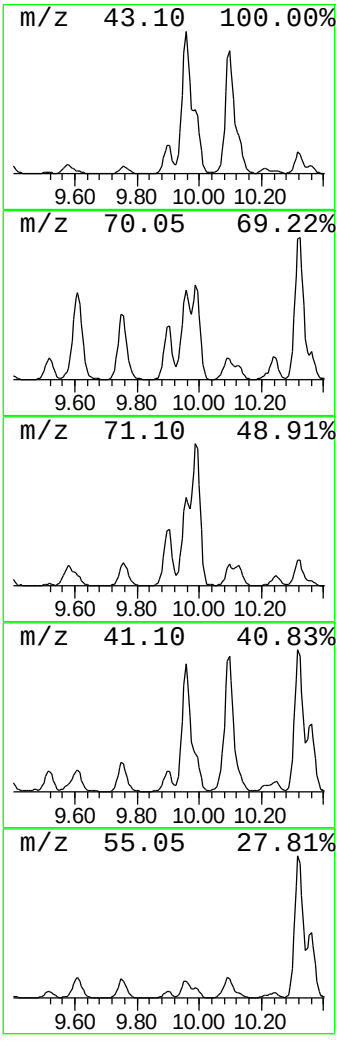
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.90	6.01 ug/L	444876	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	87
2	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	78
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	78
4	Propanoic acid, 2-methyl-, 3-met...	158	C9H18O2	002050-01-3	78
5	Octane, 4,5-dimethyl-	142	C10H22	015869-96-2	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

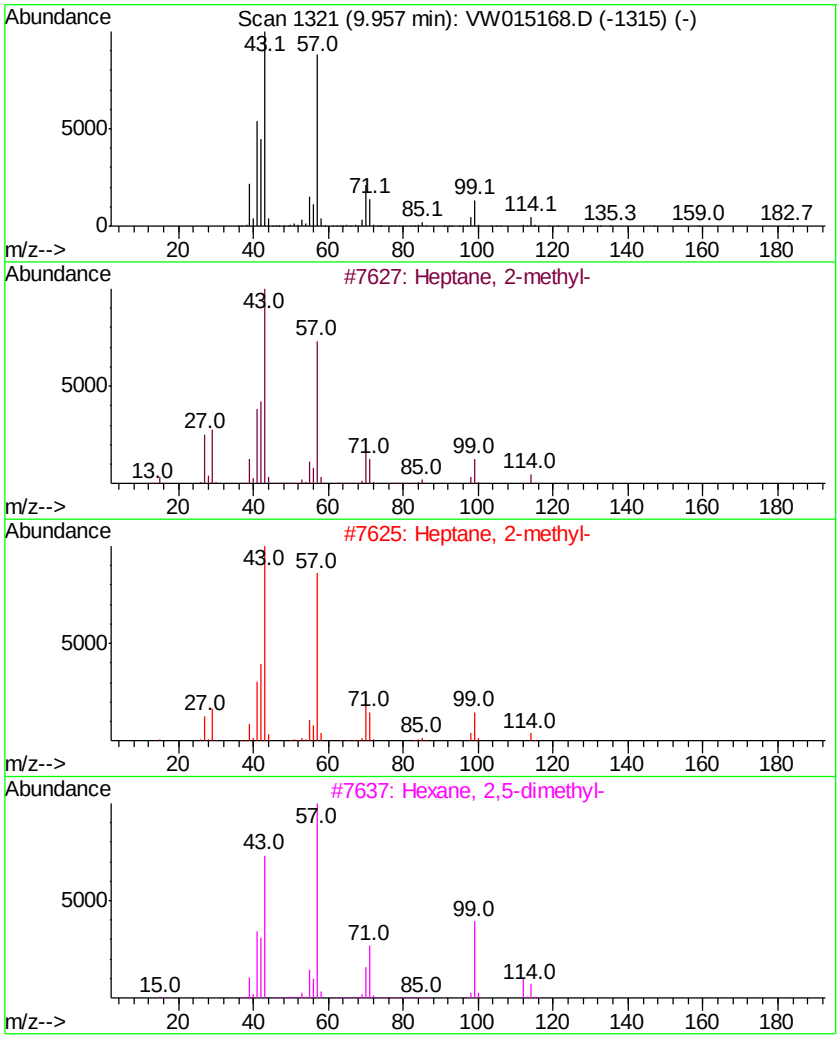
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

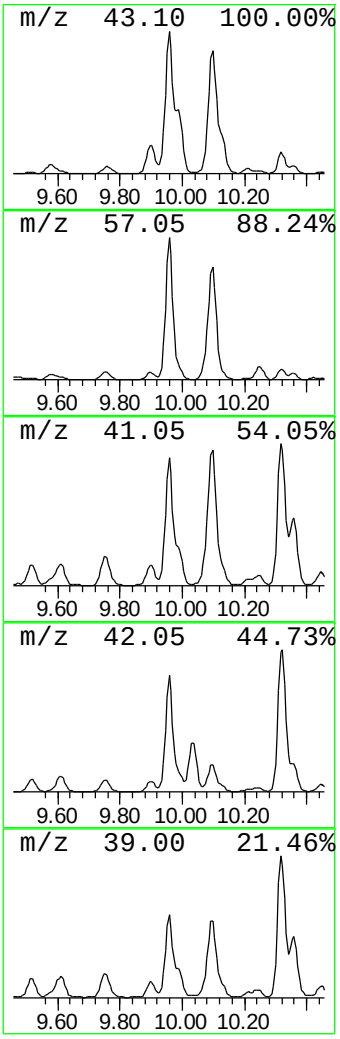
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.96	35.92 ug/L	2659280	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
2	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	83
4	Heptane, 2-methyl-	114	C8H18	000592-27-8	62
5	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	45





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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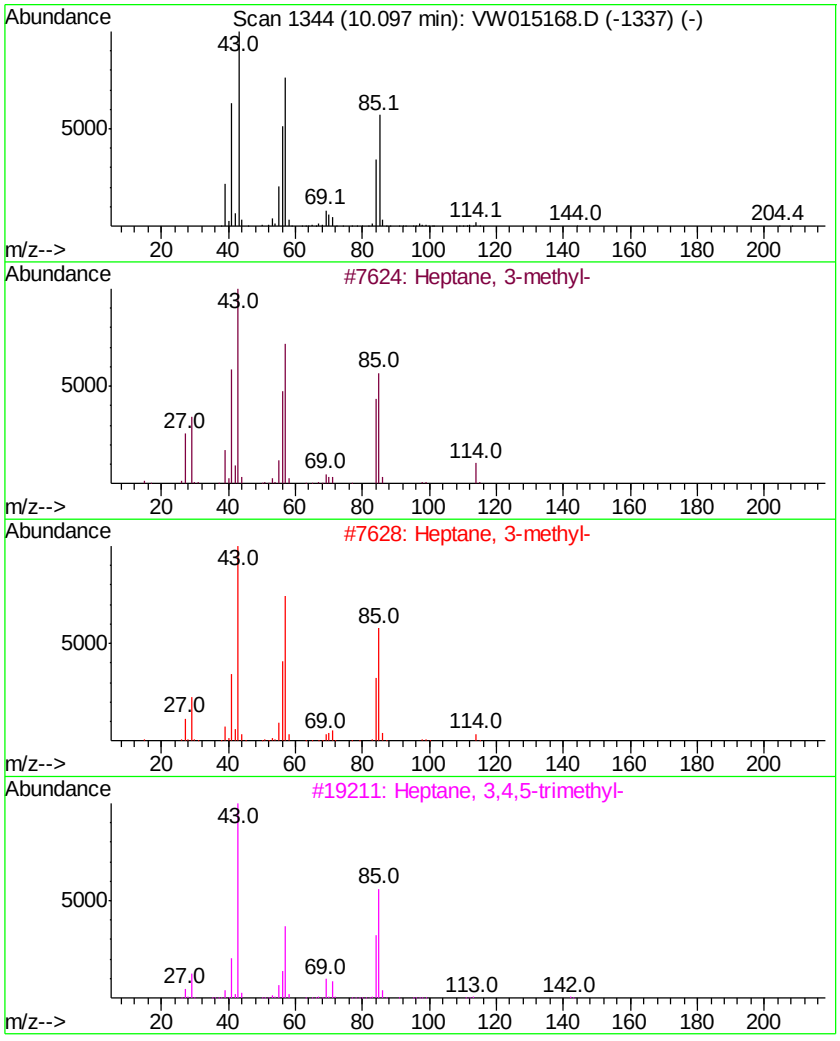
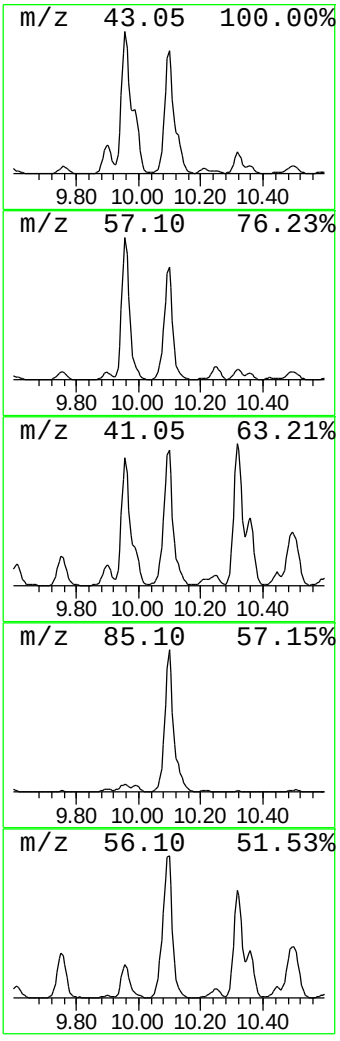
Peak Number 13 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	40.51 ug/L	2999260	1,4-Difluorobenzene	8.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	83
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	72
3	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	59
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53





Library Search Compound Report

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Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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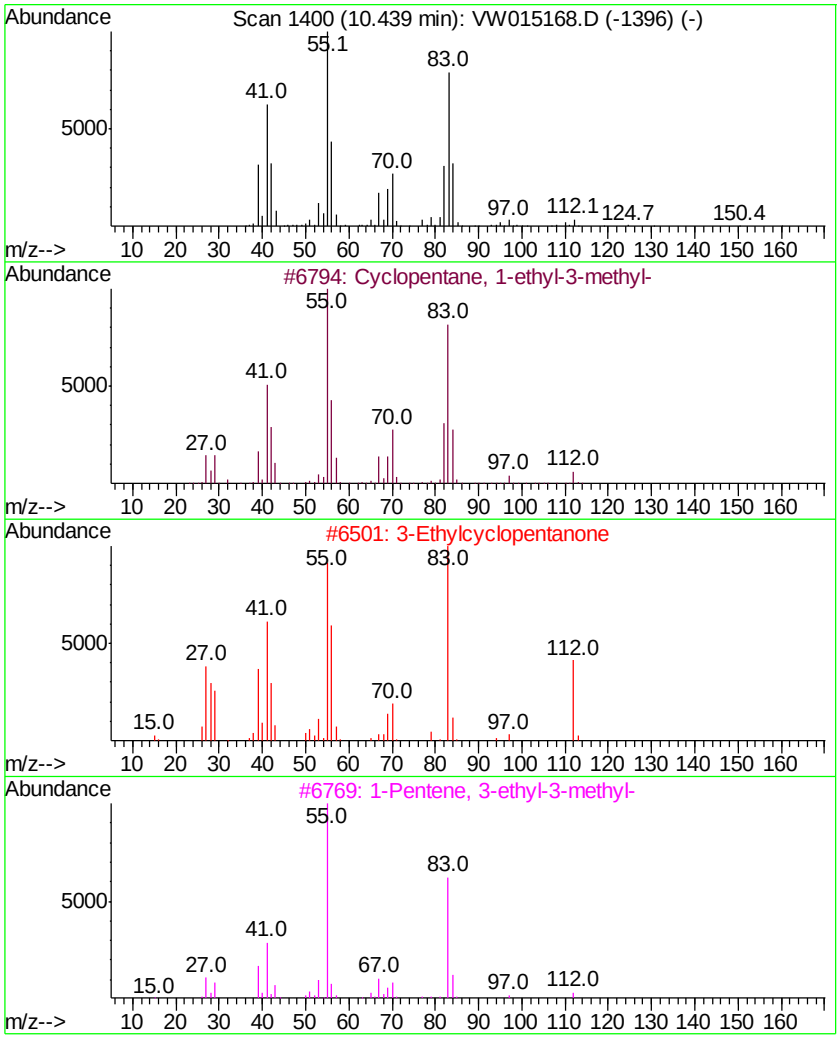
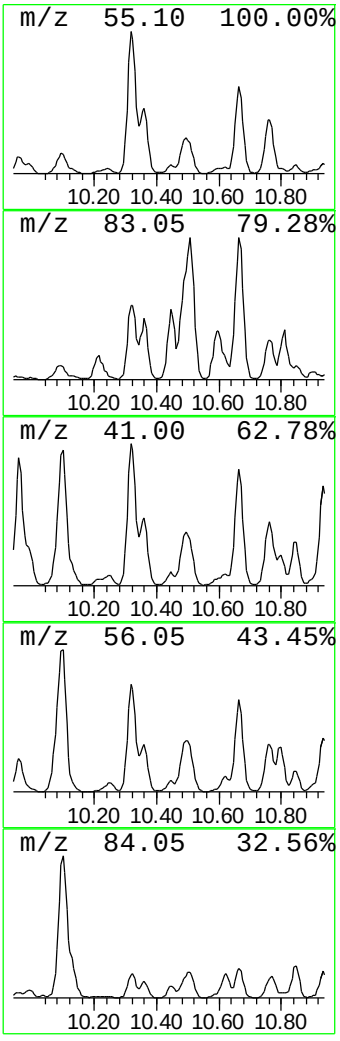
Peak Number 14 (DEL) Alkane: Cyclic10.44 Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	2.63 ug/L	239209	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	91
2	3-Ethylcyclopentanone	112	C7H12O	010264-55-8	53
3	1-Pentene, 3-ethyl-3-methyl-	112	C8H16	006196-60-7	46
4	Cyclopentane acetic acid hydrazide	142	C7H14N2O	020287-25-6	38
5	Hexane, 3-methyl-4-methylene-	112	C8H16	003404-67-9	38





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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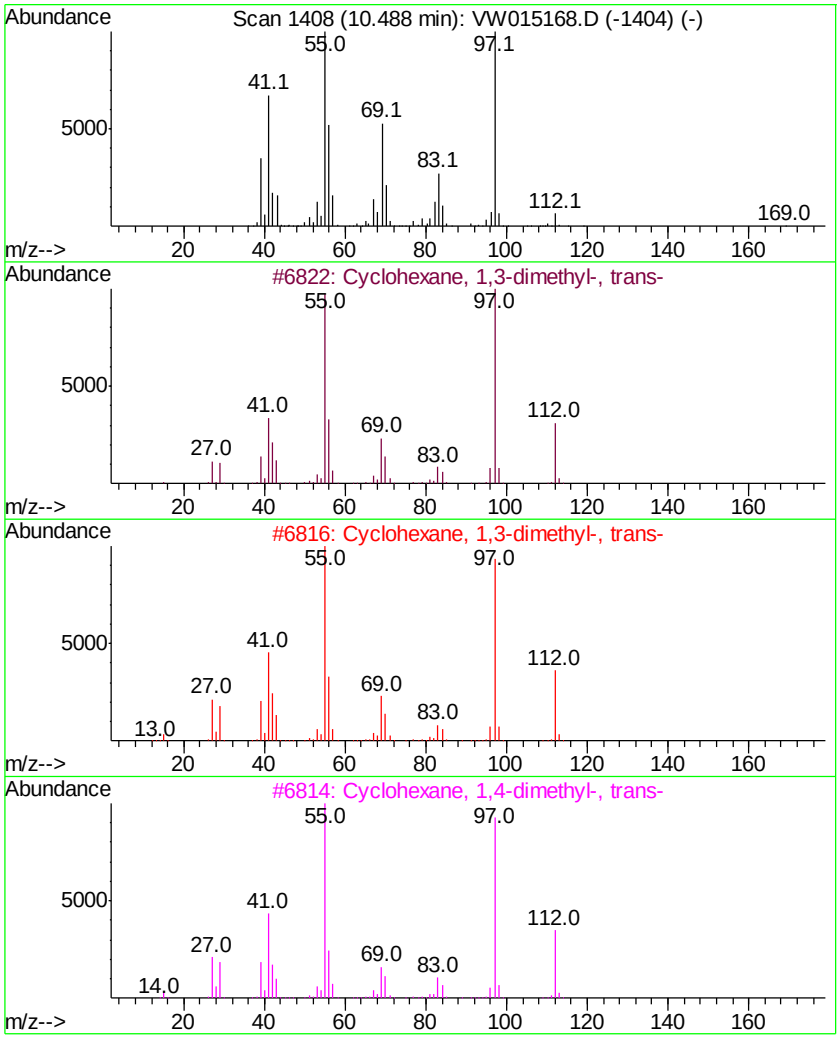
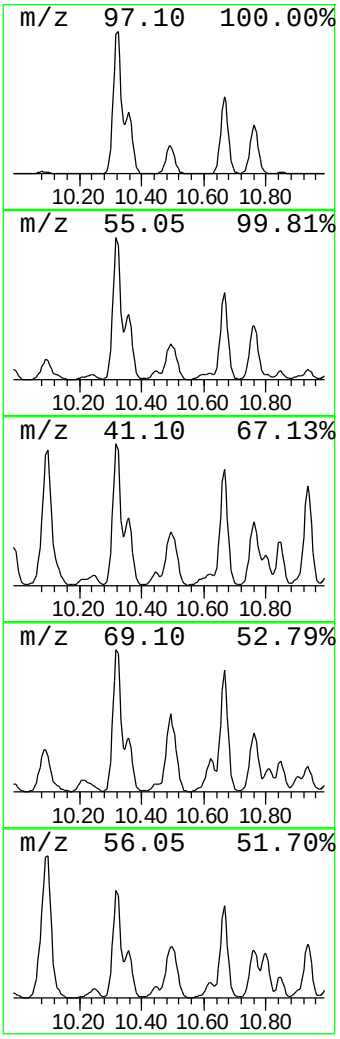
Peak Number 15 (DEL) Alkane: Cyclic10.49 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	17.08 ug/L	1554750	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	86
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64
3	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	64
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64
5	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

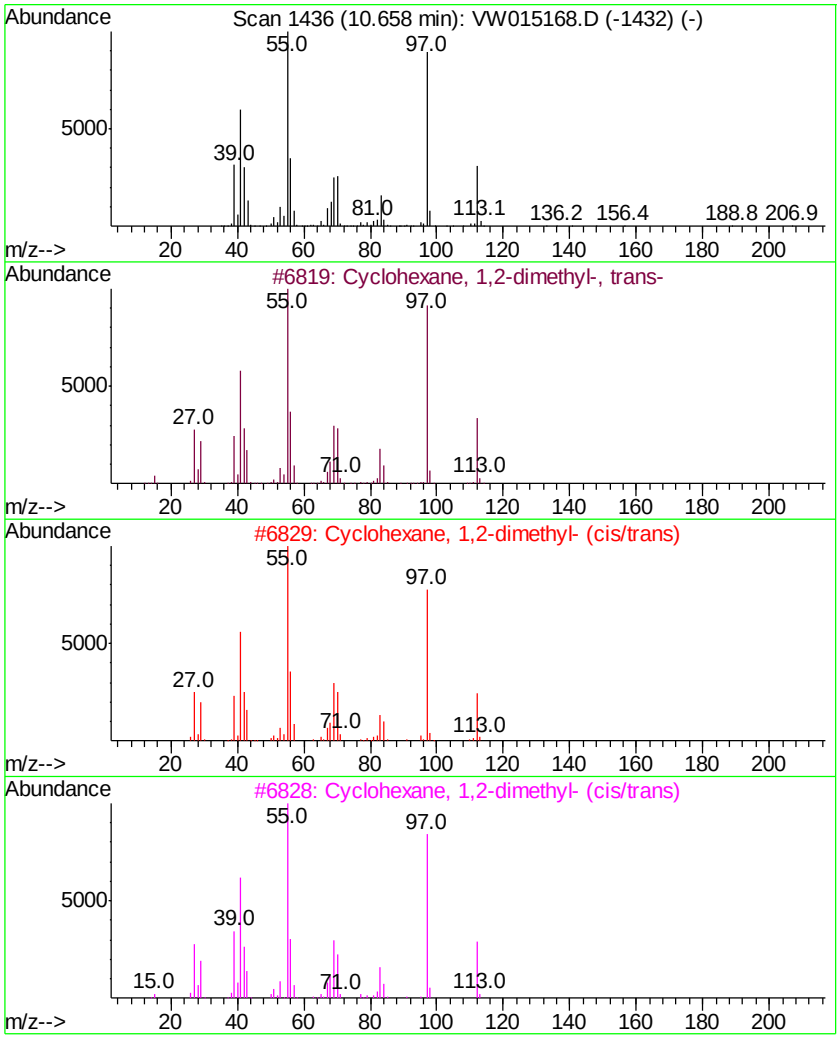
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

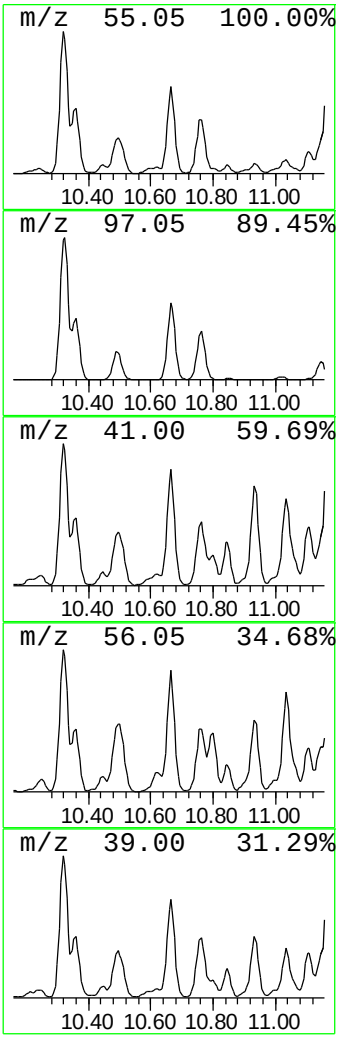
****

Peak Number 16 (DEL) Alkane: Cyclic10.66 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	27.96 ug/L	2545590	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	95
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
3	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	94
4	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
5	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

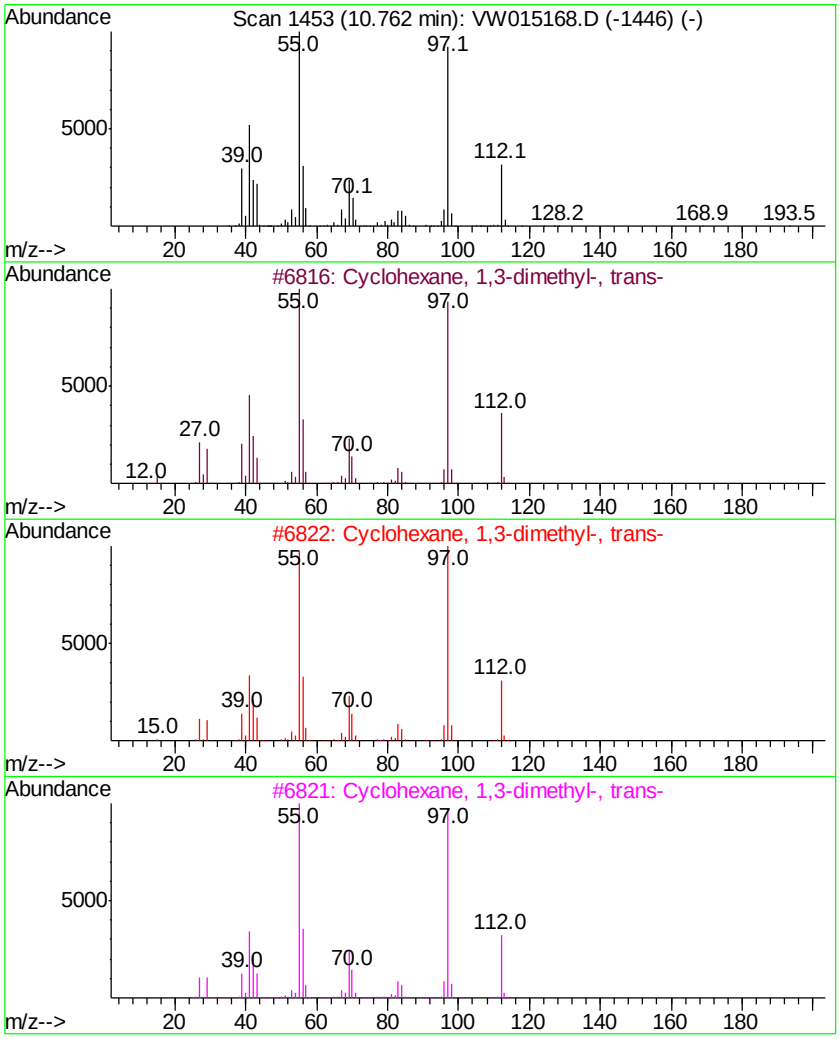
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

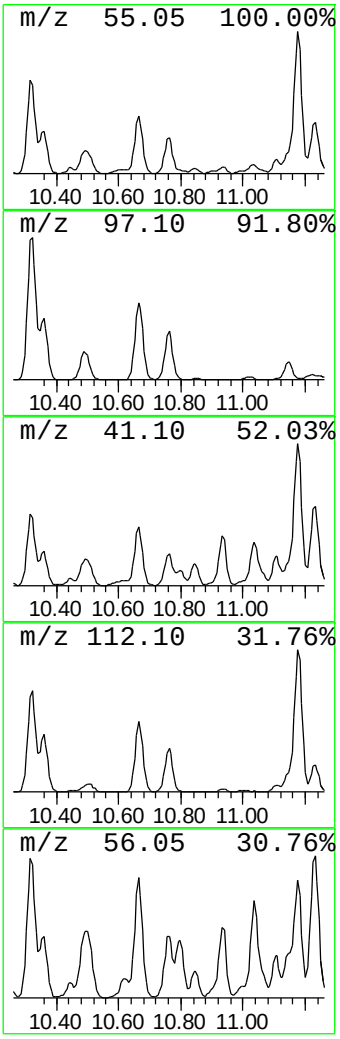
****

Peak Number 17 (DEL) Alkane: Cyclic10.76 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	17.93 ug/L	1632430	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	95
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	94
5	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

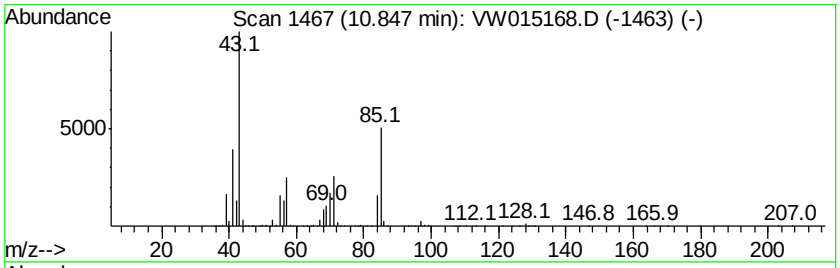
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

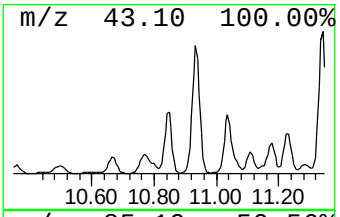
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

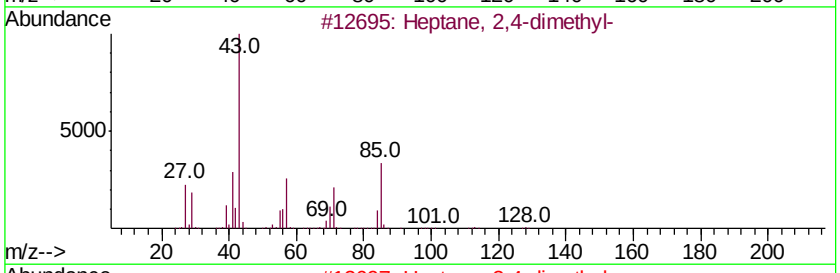
****
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 31

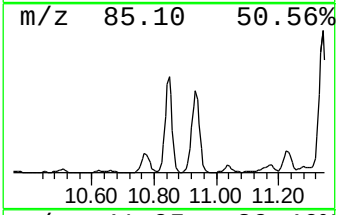
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.85	8.76 ug/L	797643	Chlorobenzene-d5	11.63

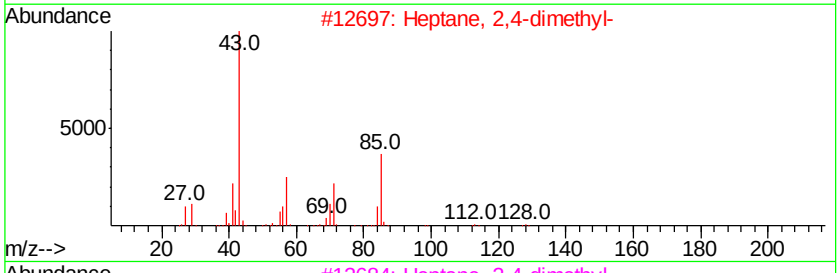
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	81
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	74
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	74
4	Sulfurous acid, isohexyl hexyl e...	250	C12H26O3S	1000309-12-8	59
5	Ether, hexyl pentyl	172	C11H24O	032357-83-8	59

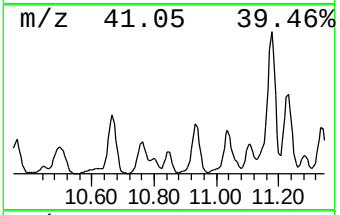


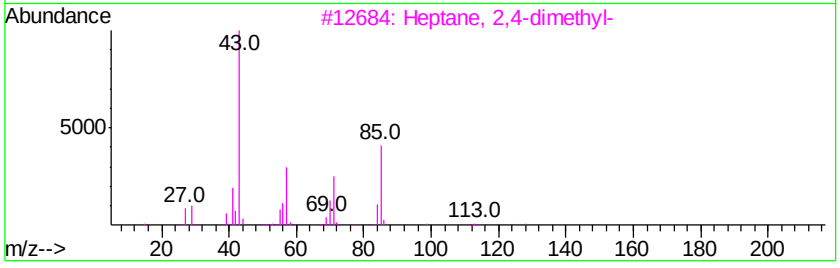


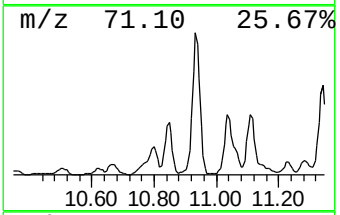


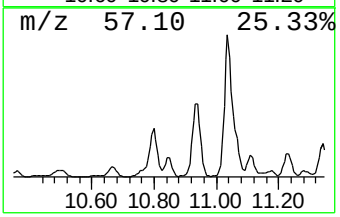












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

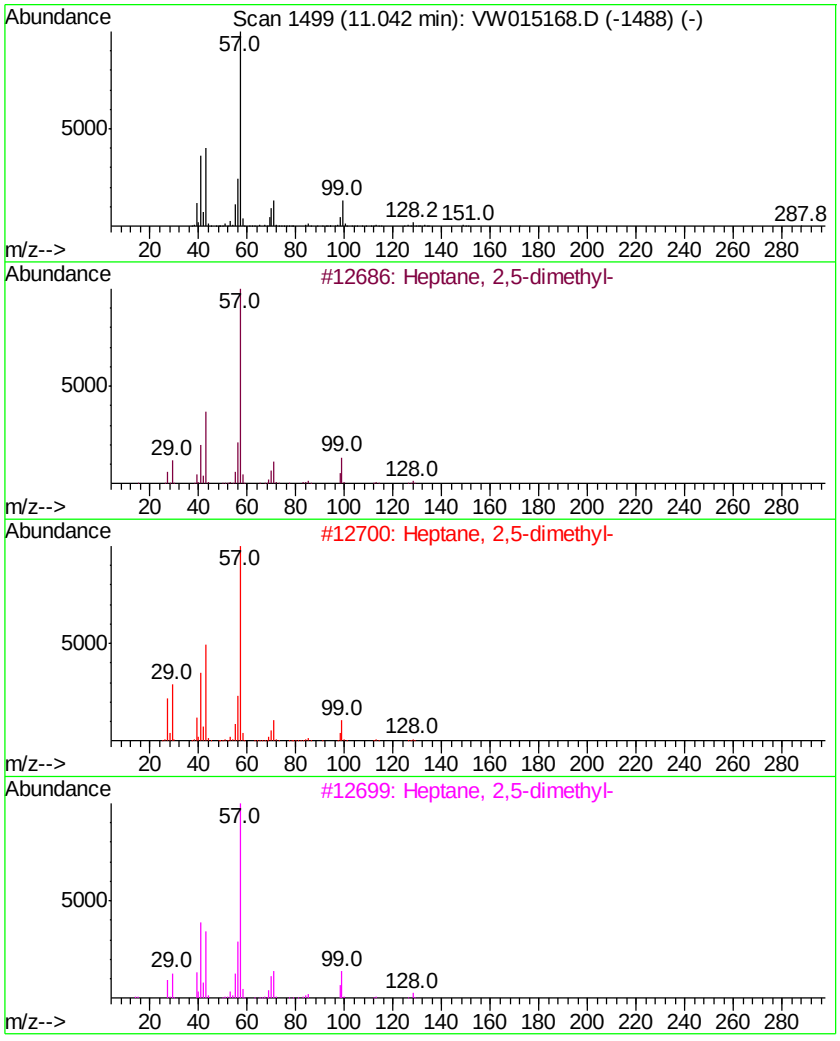
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

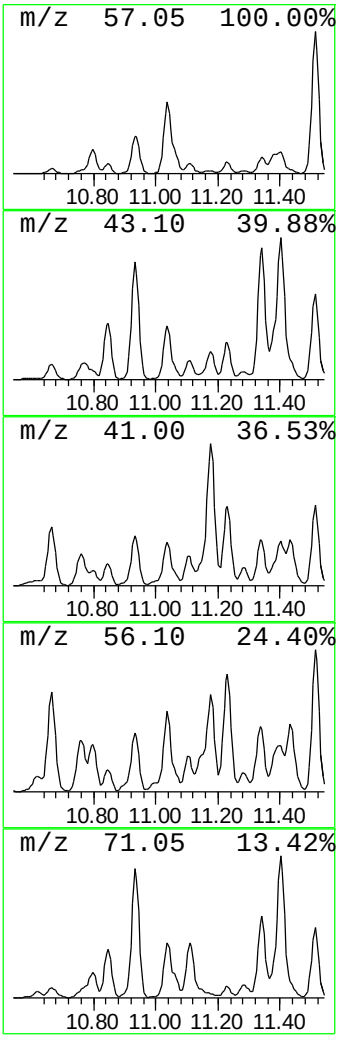
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	21.08 ug/L	1919150	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
3	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
4	Octane, 3-methyl-	128	C9H20	002216-33-3	80
5	Octane, 3-methyl-	128	C9H20	002216-33-3	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

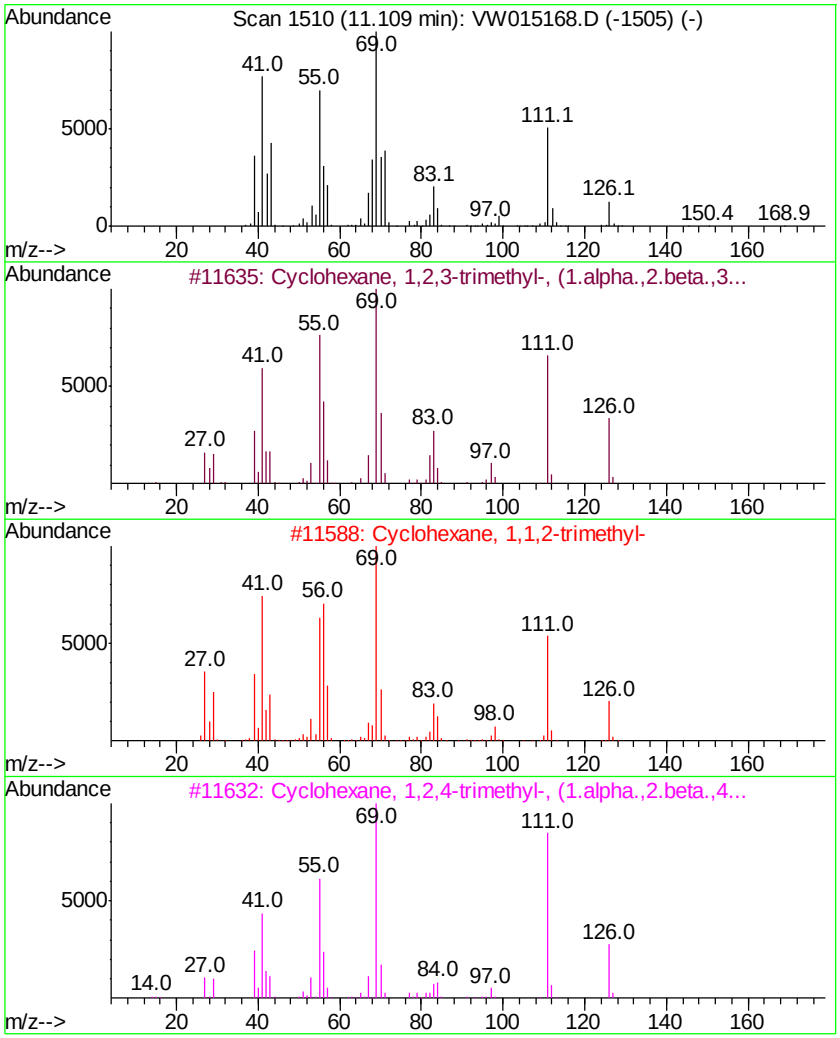
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

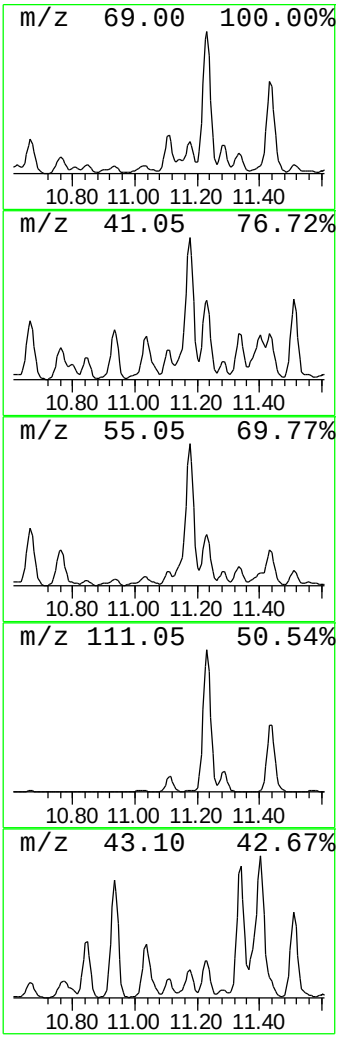
****

Peak Number 20 (DEL) Alkane: Cyclic11.11 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.11	12.33 ug/L	1122250	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	68
2	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	52
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	52
4	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	46
5	2-Hexene, 2,5-dimethyl-	112	C8H16	003404-78-2	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

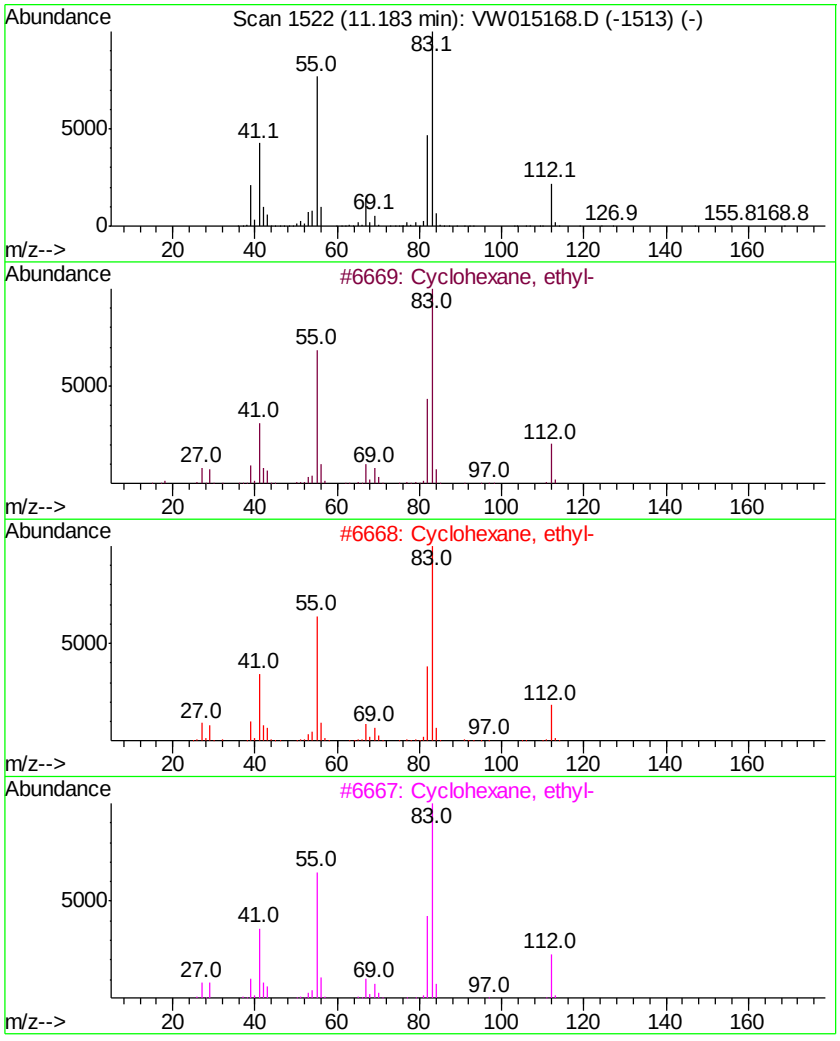
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

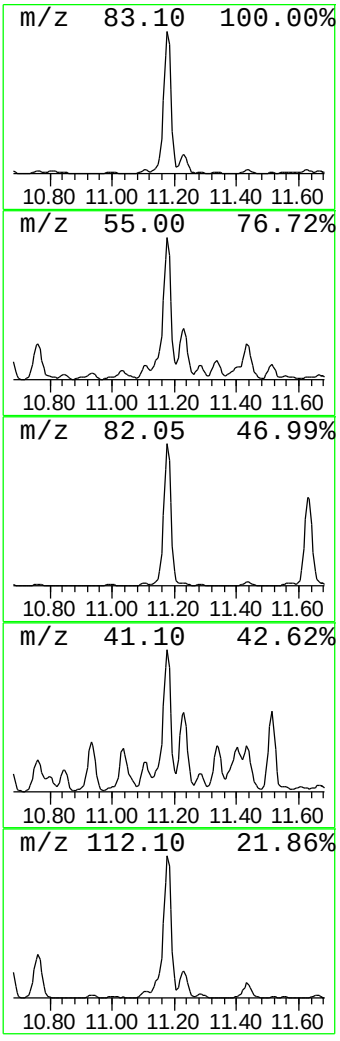
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Cyclic11.18 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	68.73 ug/L	6256690	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	81





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

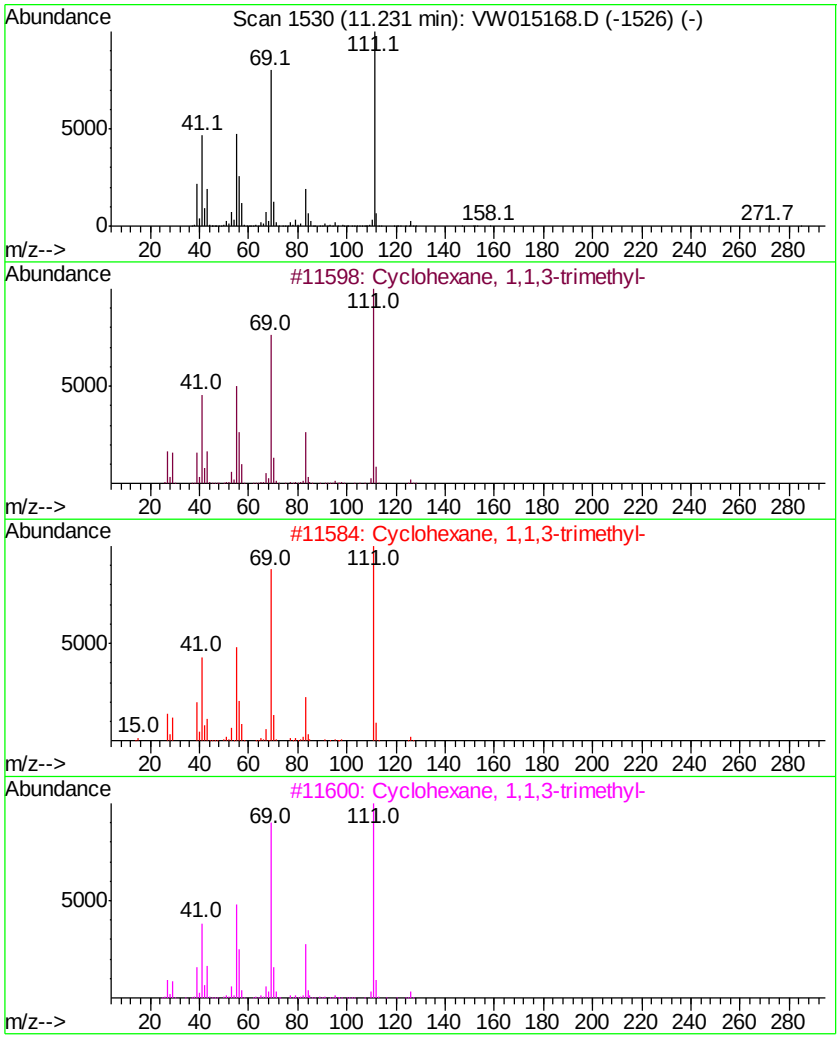
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

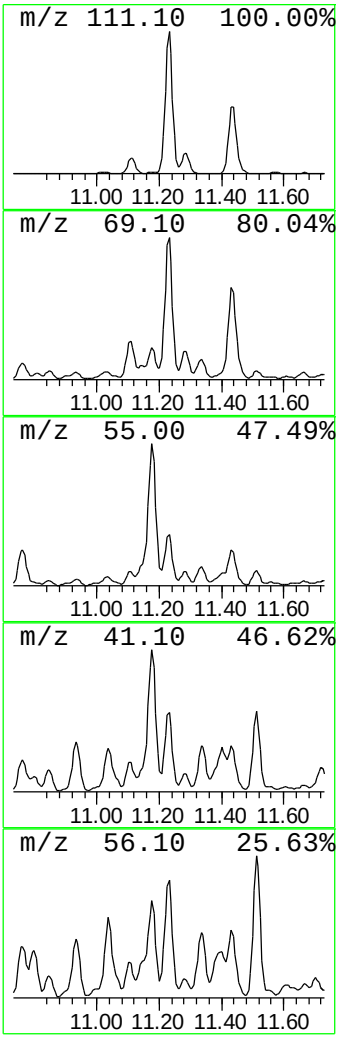
****

Peak Number 22 (DEL) Alkane: Cyclic11.23 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	37.94 ug/L	3454240	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	95
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	91
3	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	87
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	81
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	78





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

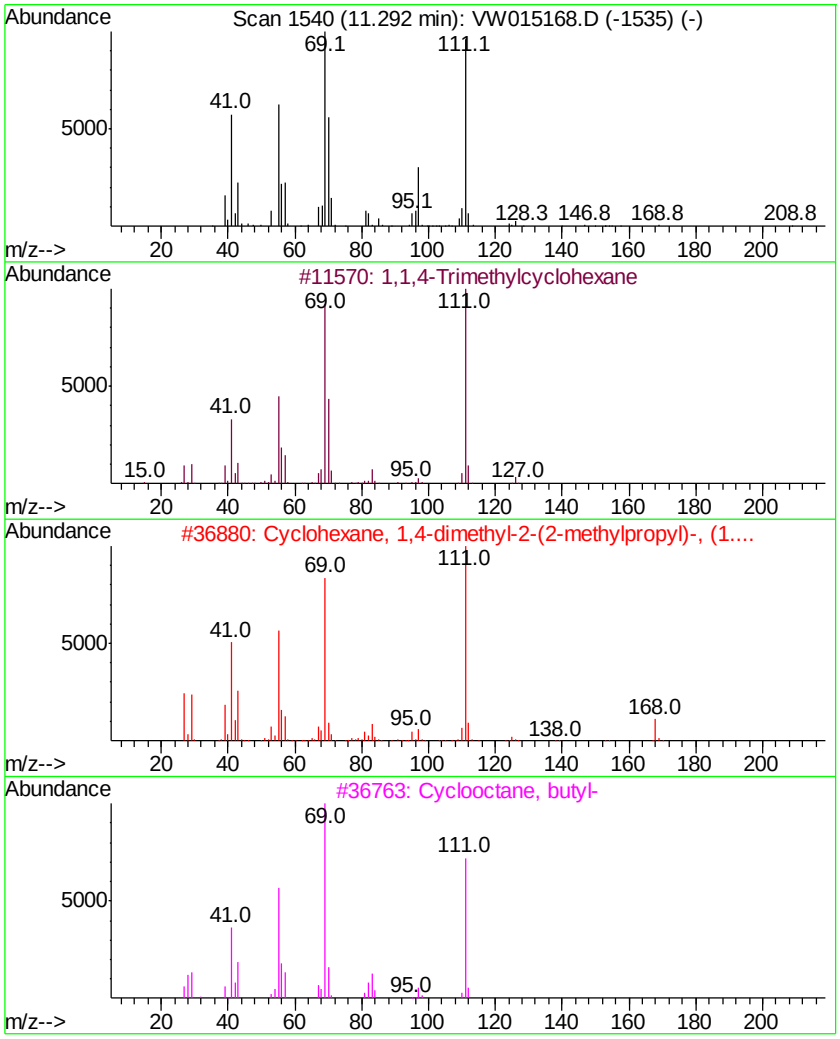
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

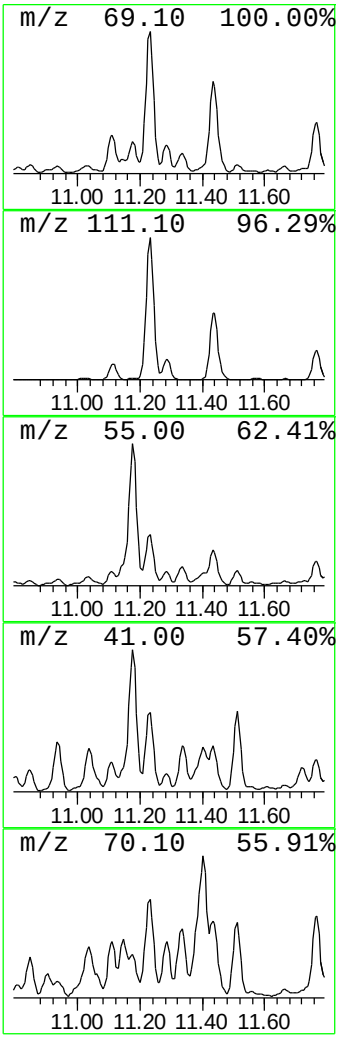
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	7.06 ug/L	643060	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	81
2	Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	59
3	Cyclooctane, butyl-	168	C12H24	016538-93-5	59
4	Cyclohexane, 2-ethyl-1,3-dimethyl-	140	C10H20	007045-67-2	59
5	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

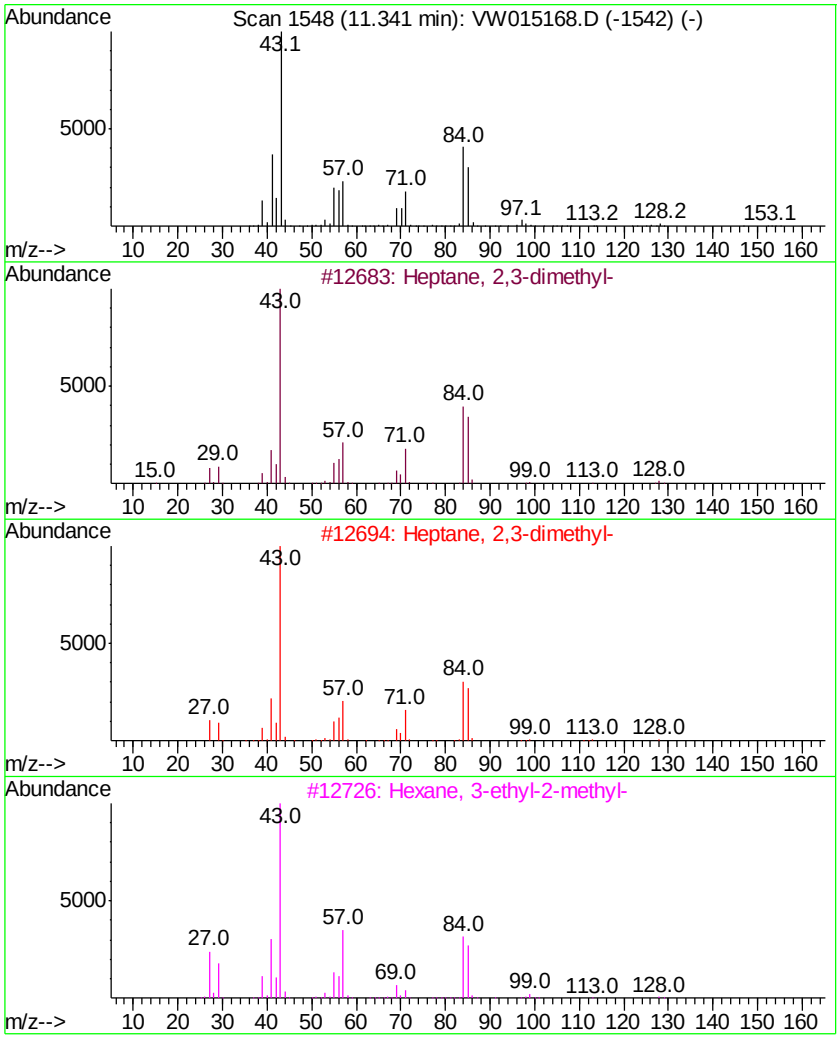
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

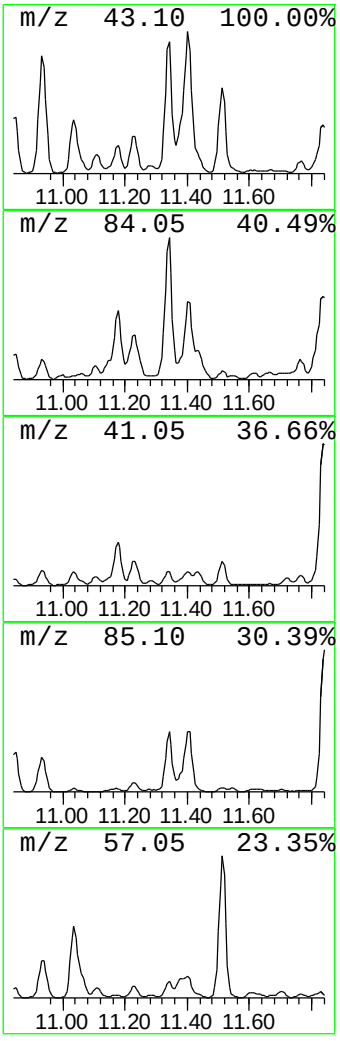
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.34	20.79 ug/L	1892760	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	91
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	91
3	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	90
4	Decane, 5,6-dimethyl-	170	C12H26	001636-43-7	83
5	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

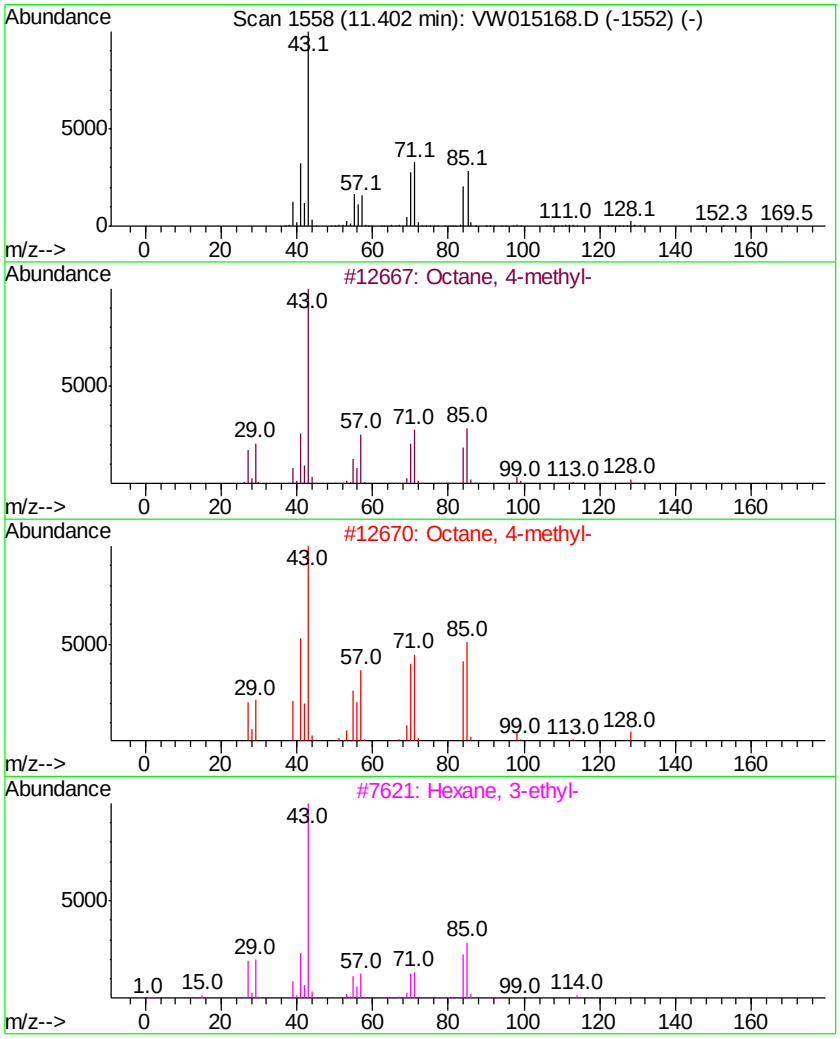
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

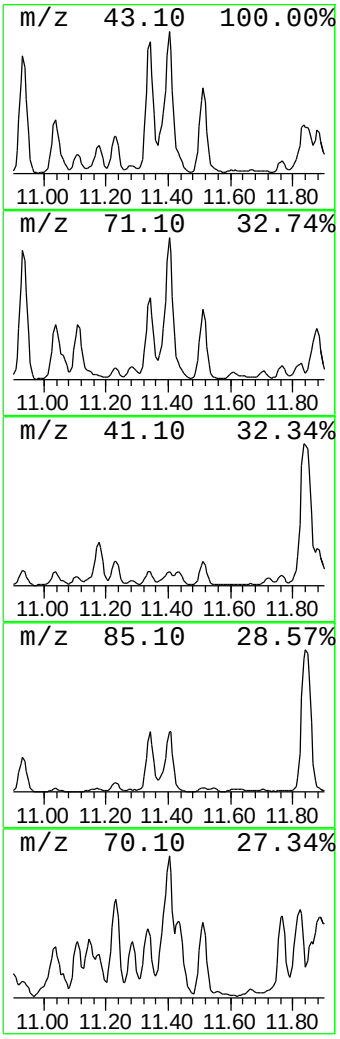
****

Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	25.11 ug/L	2286140	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	90
2	Octane, 4-methyl-	128	C9H20	002216-34-4	83
3	Hexane, 3-ethyl-	114	C8H18	000619-99-8	72
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	64
5	Octane, 4-methyl-	128	C9H20	002216-34-4	59





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

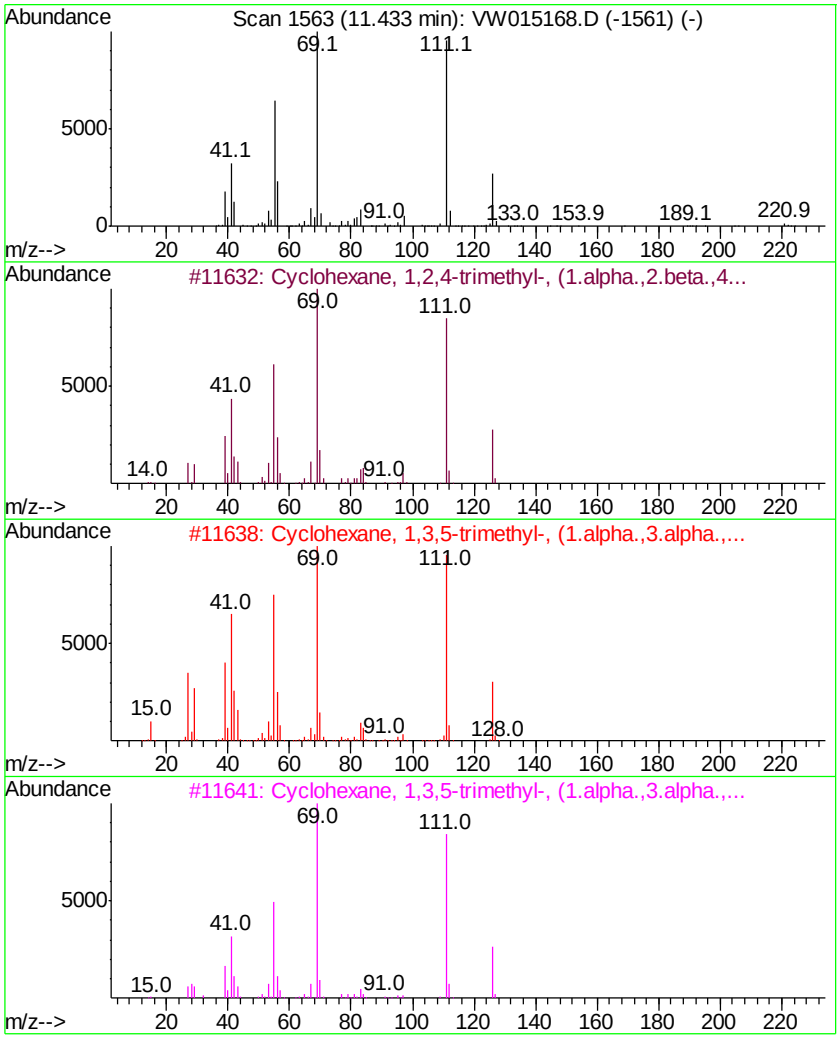
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

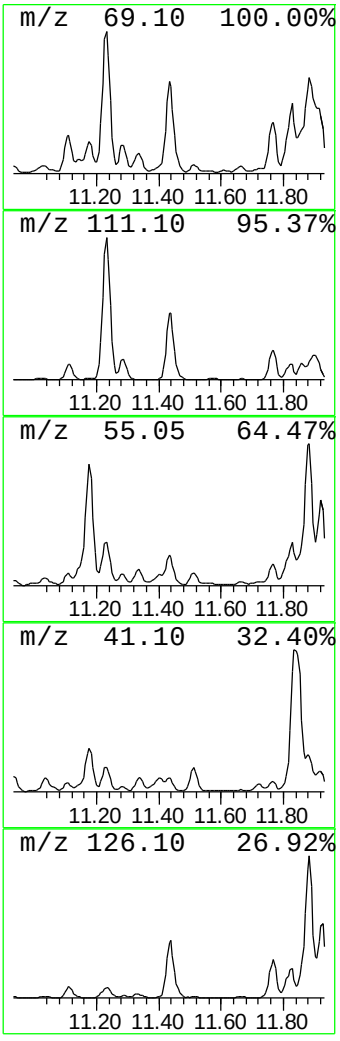
****

Peak Number 26 (DEL) Alkane: Cyclic11.43 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.43	19.87 ug/L	1809030	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	94
2	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	91
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	90
4	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	90
5	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

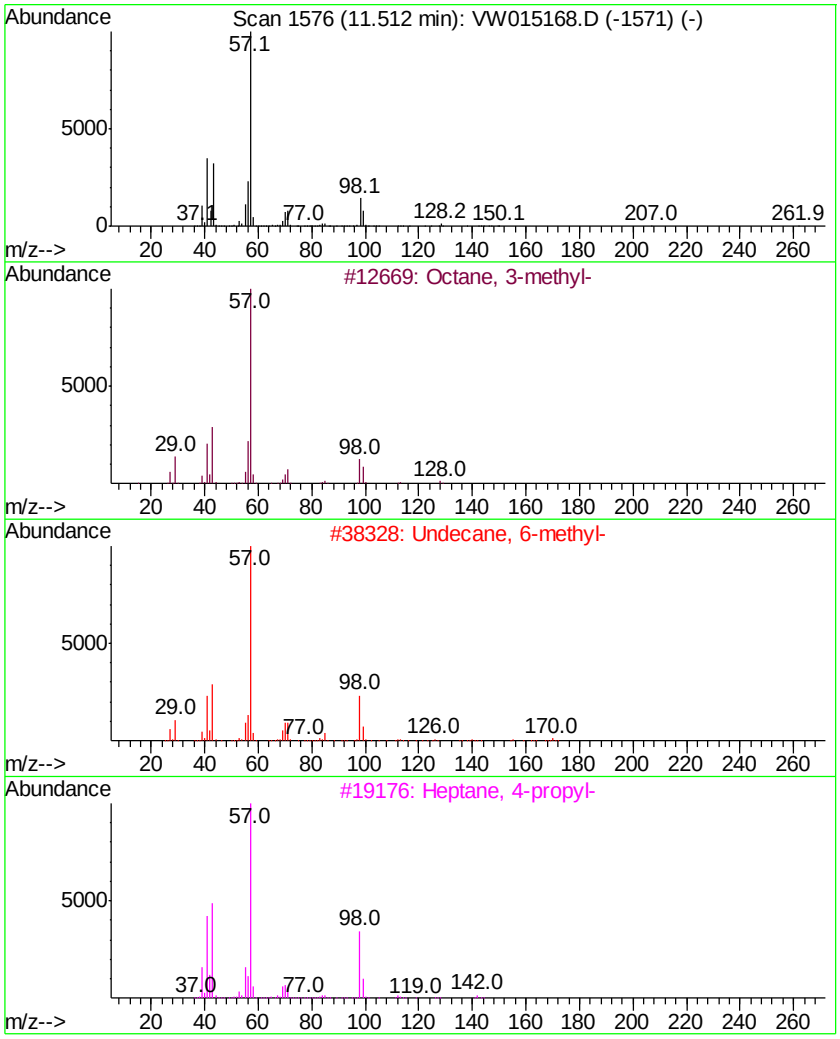
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

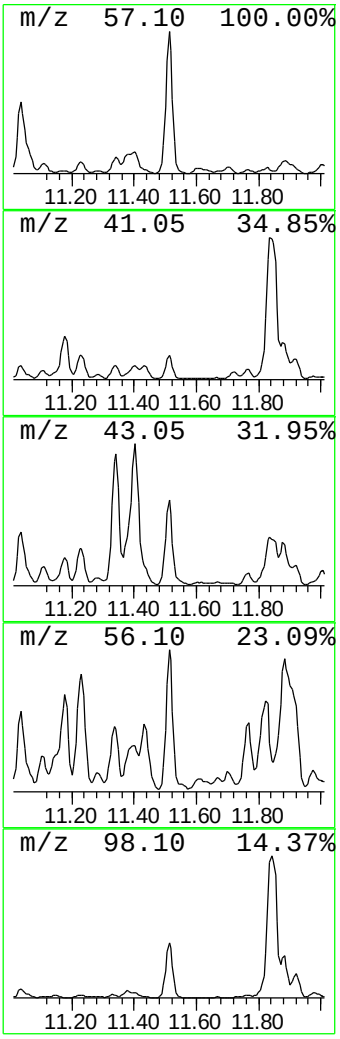
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.51	27.29 ug/L	2484420	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	91
2	Undecane, 6-methyl-	170	C12H26	017302-33-9	59
3	Heptane, 4-propyl-	142	C10H22	003178-29-8	59
4	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	59
5	Octane, 3-methyl-	128	C9H20	002216-33-3	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

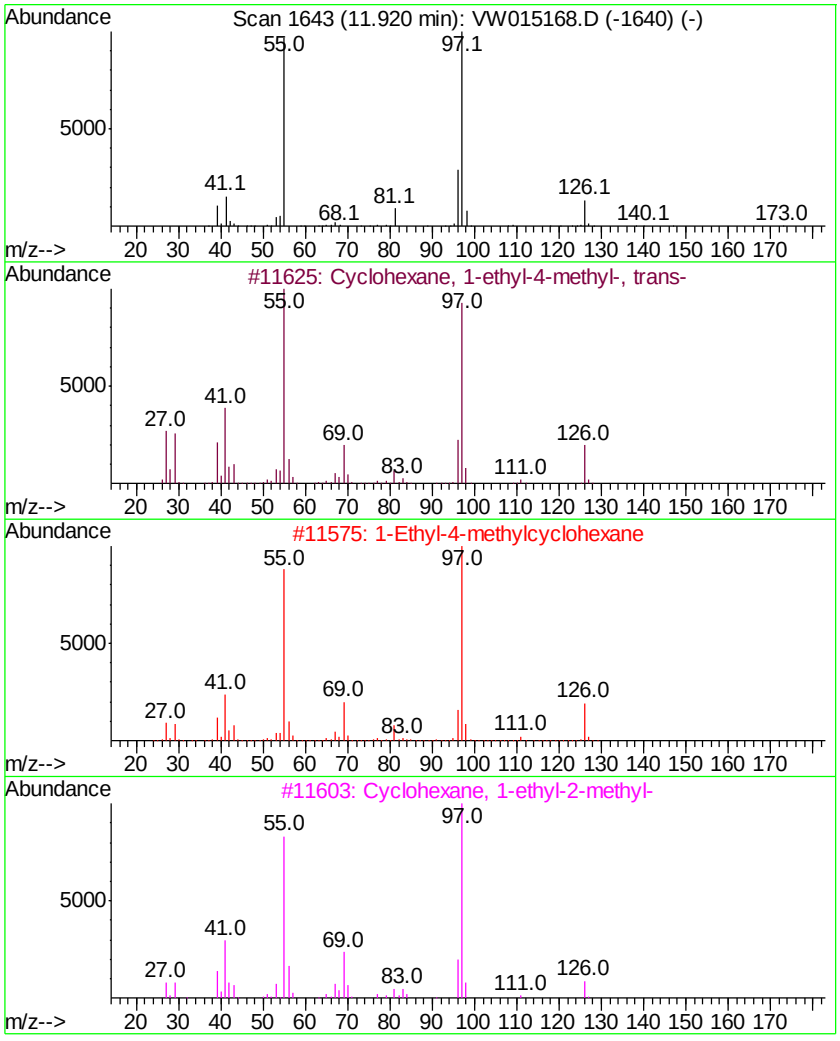
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

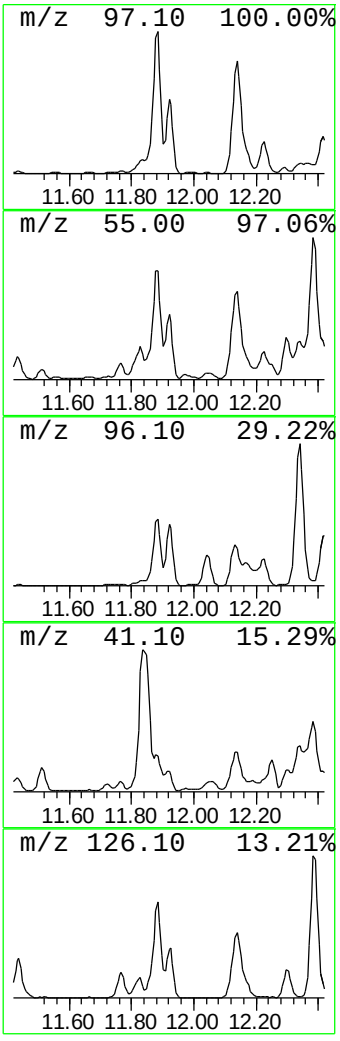
****

Peak Number 28 (DEL) Alkane: Cyclic11.92 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	32.44 ug/L	2953550	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	90
2	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	80
3	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	78
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	78
5	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	72





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

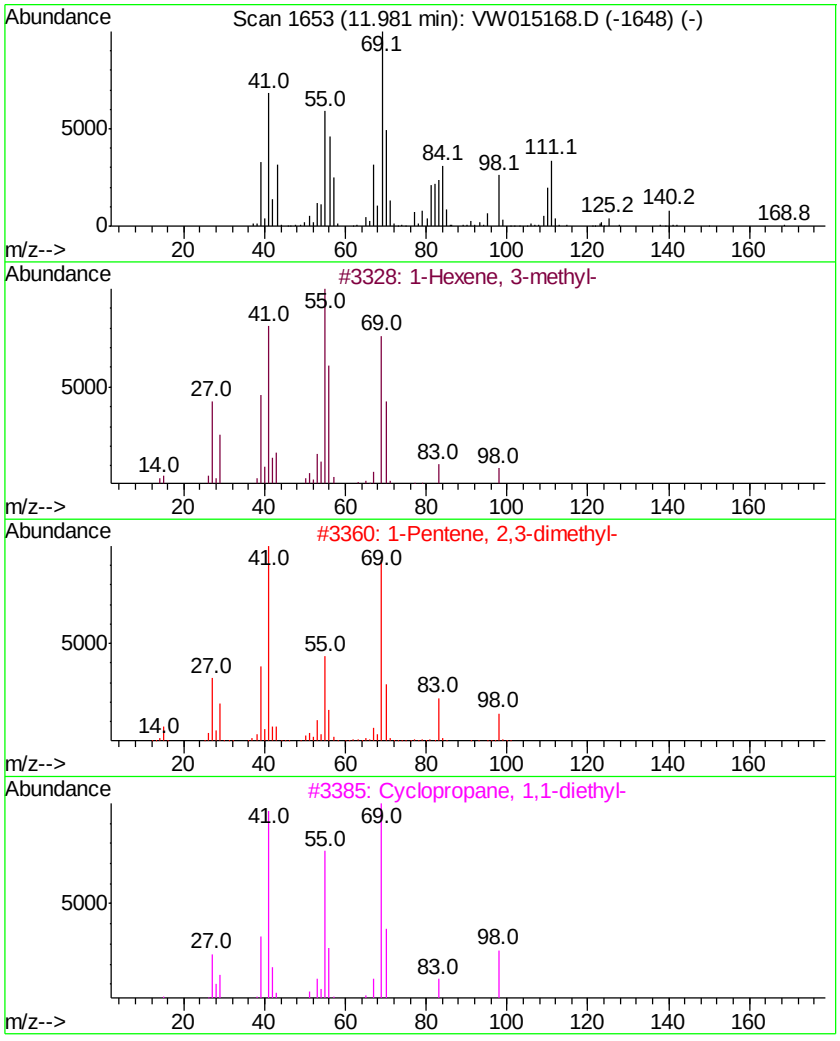
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

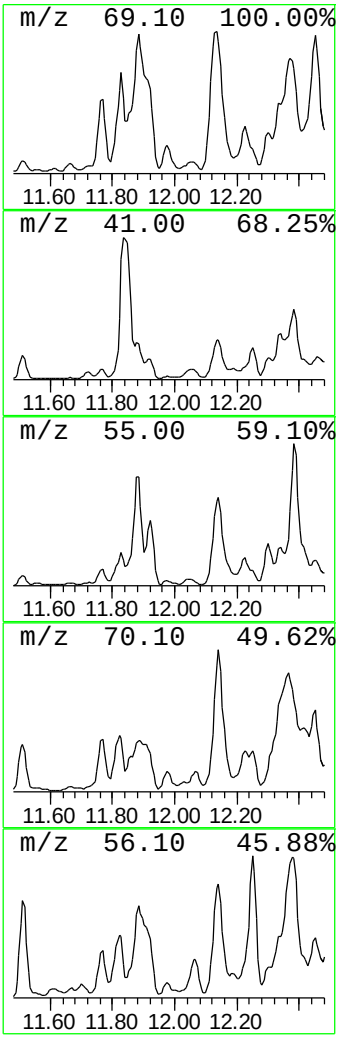
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	6.20 ug/L	564142	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	58
2	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	53
3	Cyclopropane, 1,1-diethyl-	98	C7H14	001003-19-6	53
4	1-Hexene, 3-methyl-	98	C7H14	003404-61-3	52
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	49





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

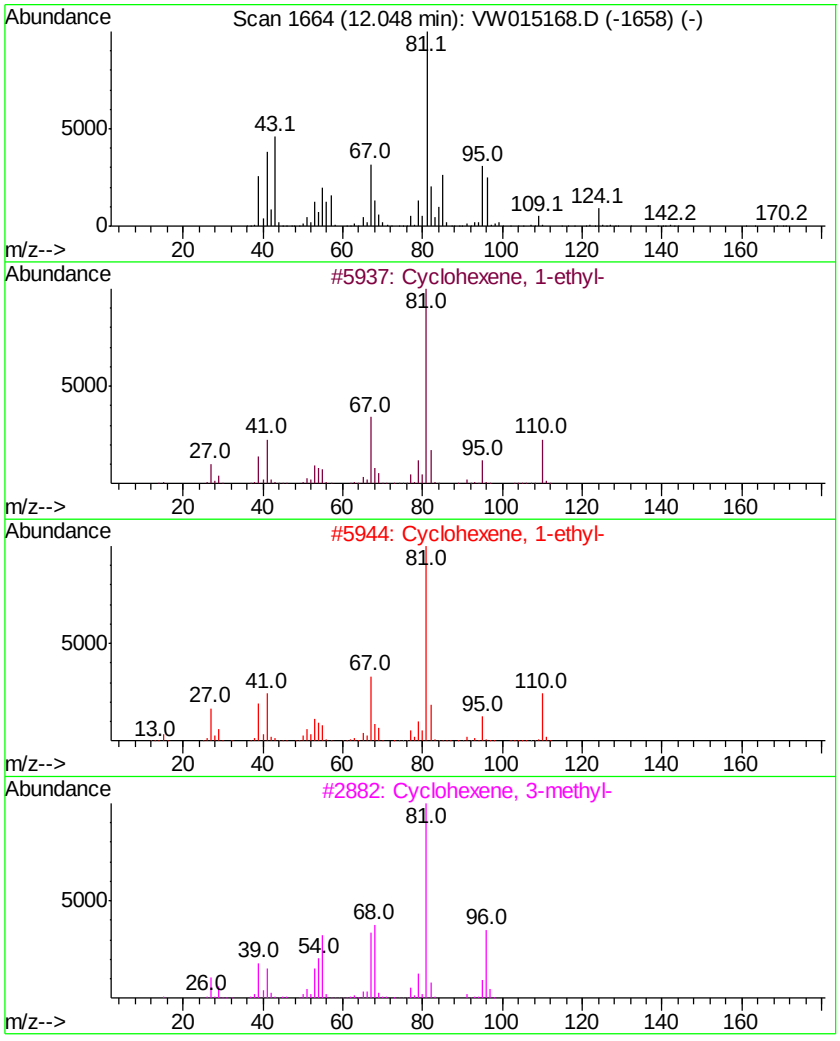
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

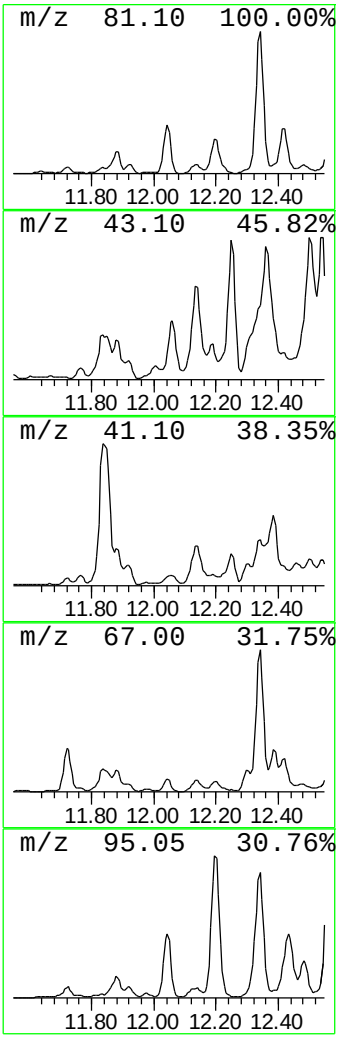
****

Peak Number 30 Cyclohexene, 1-ethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	22.48 ug/L	2046670	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	50
2	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	50
3	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	49
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	49
5	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	47





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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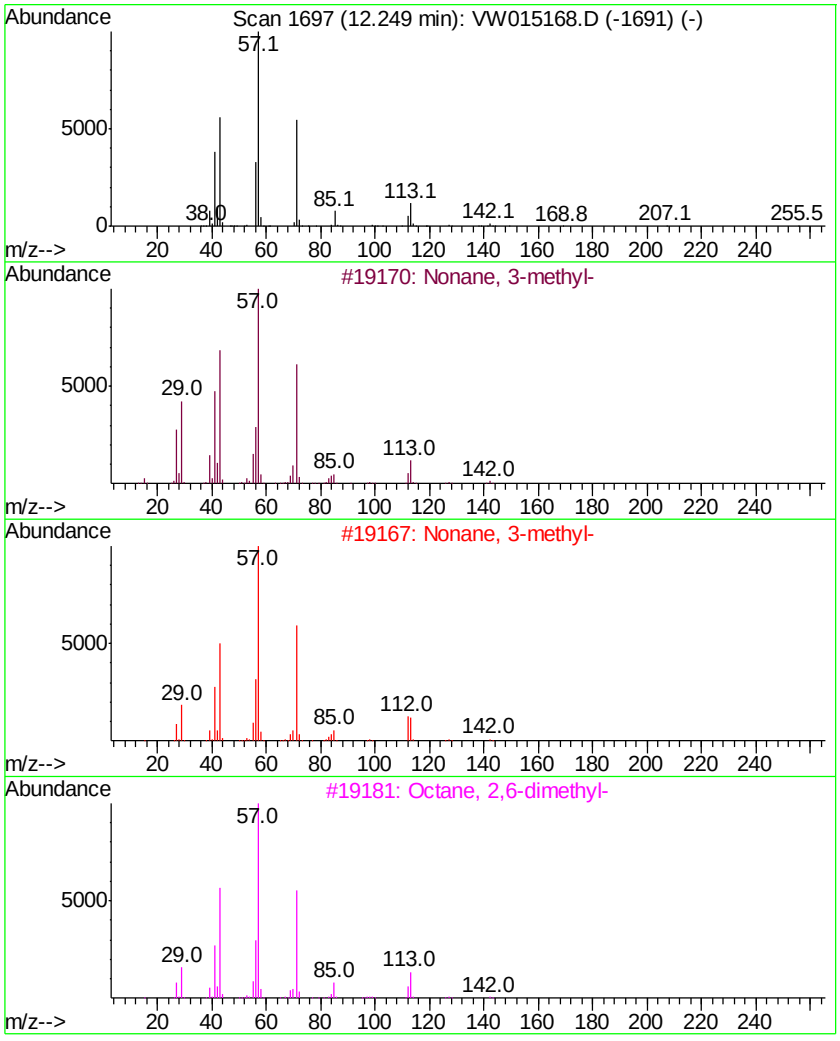
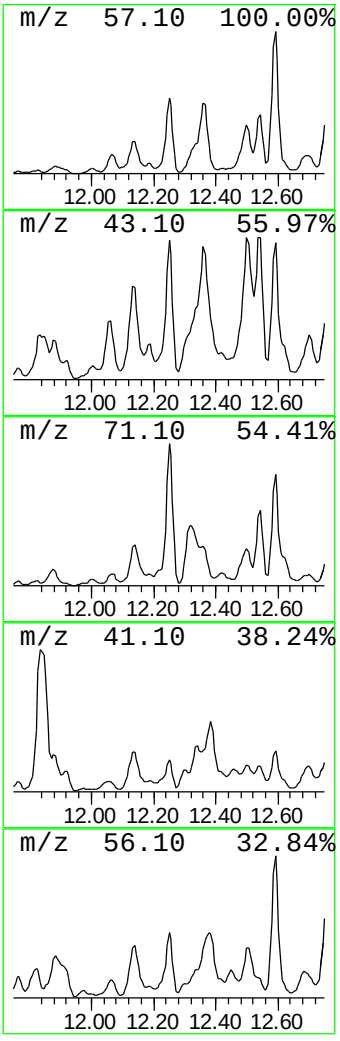
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	40.88 ug/L	3721290	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
4	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	86
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

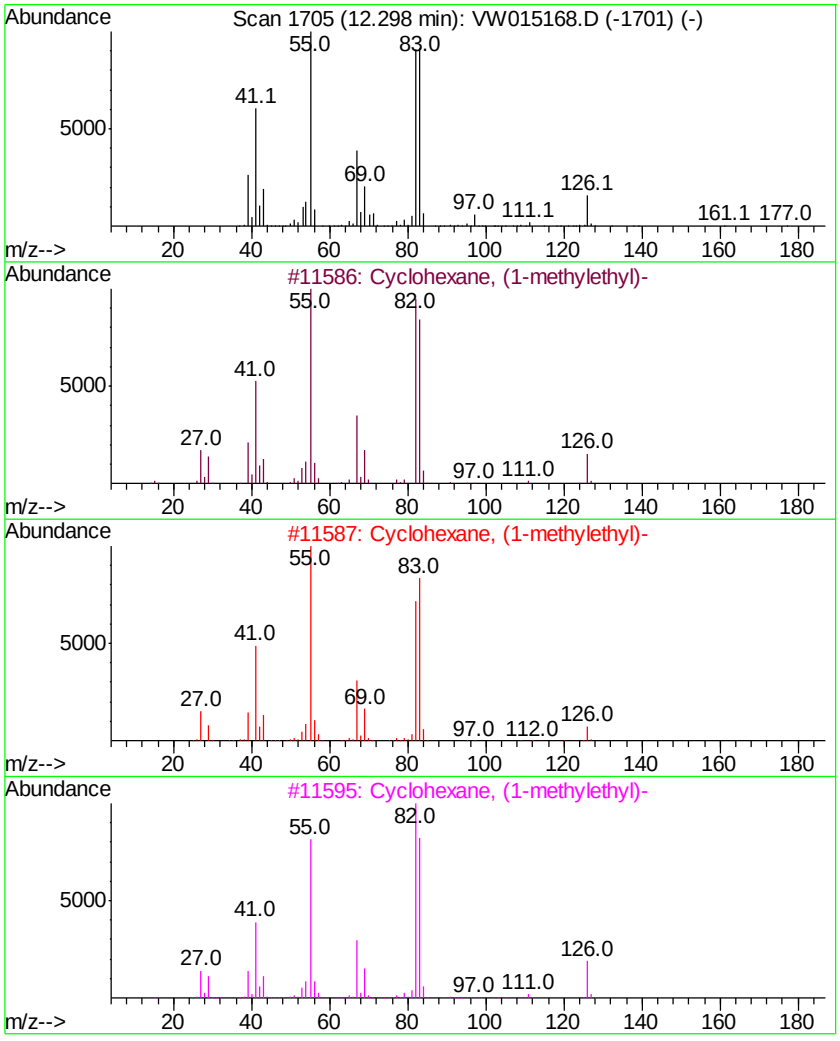
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

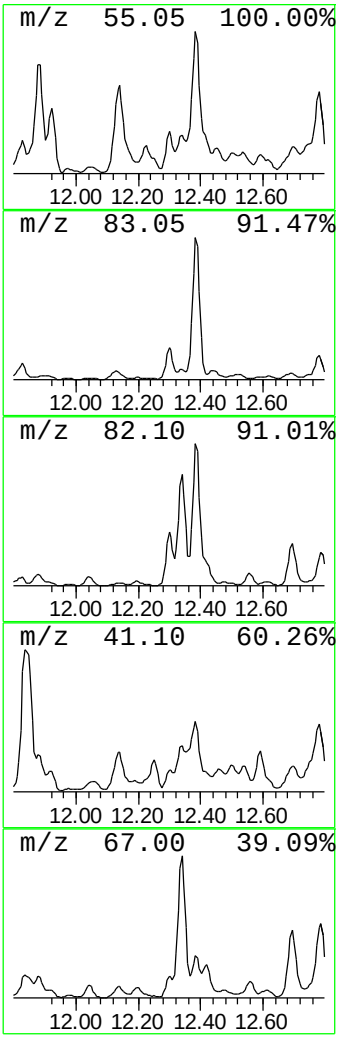
****

Peak Number 32 (DEL) Alkane: Cyclic12.30 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	23.20 ug/L	2112400	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	96
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	87
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	81
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

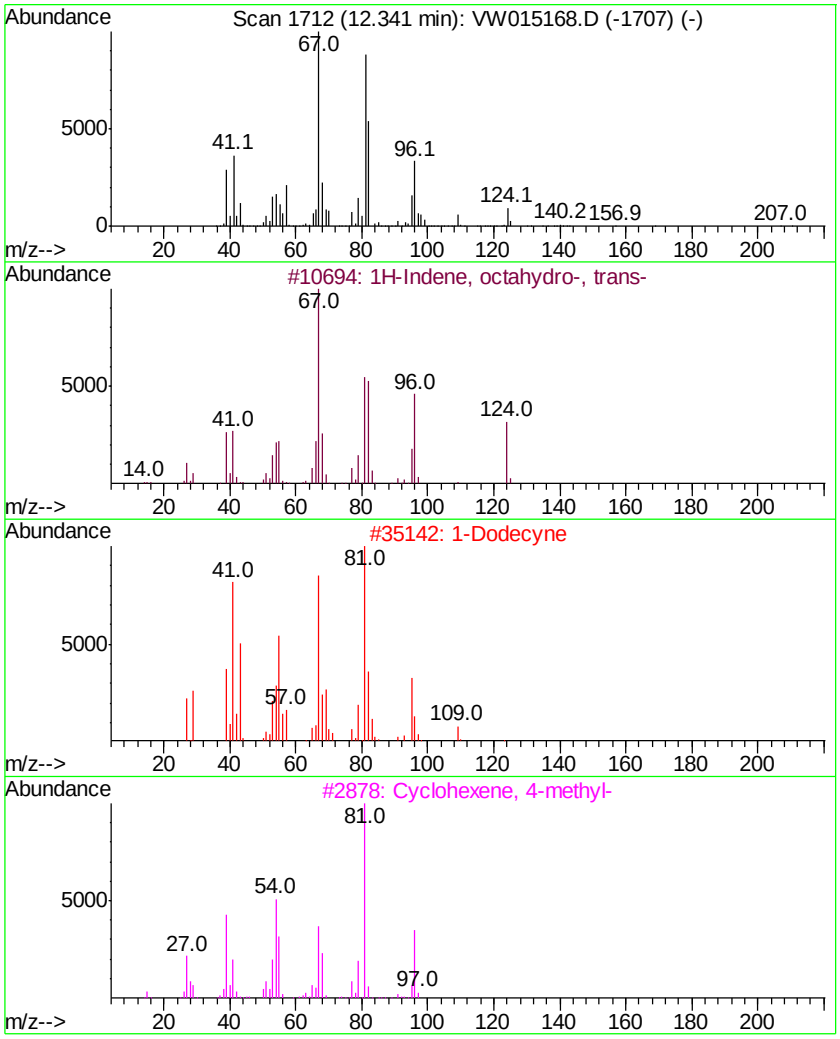
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

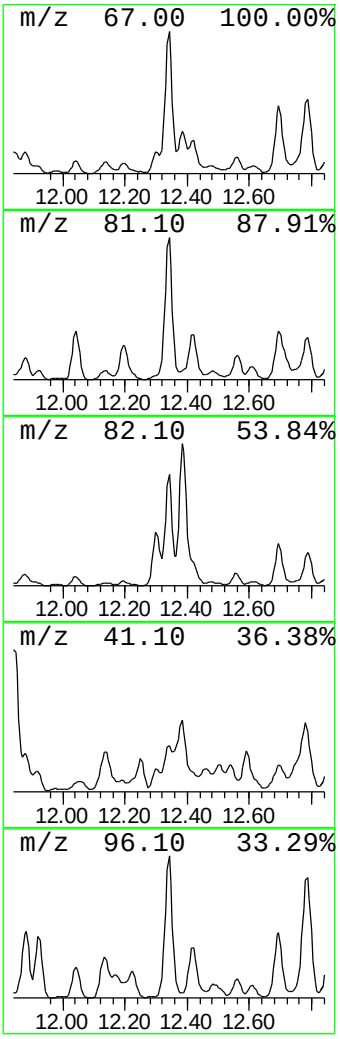
****

Peak Number 33 1H-Indene, octahydro-, trans- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	67.71 ug/L	6163970	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	62
2	1-Dodecyne	166	C12H22	000765-03-7	50
3	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	49
4	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	46
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

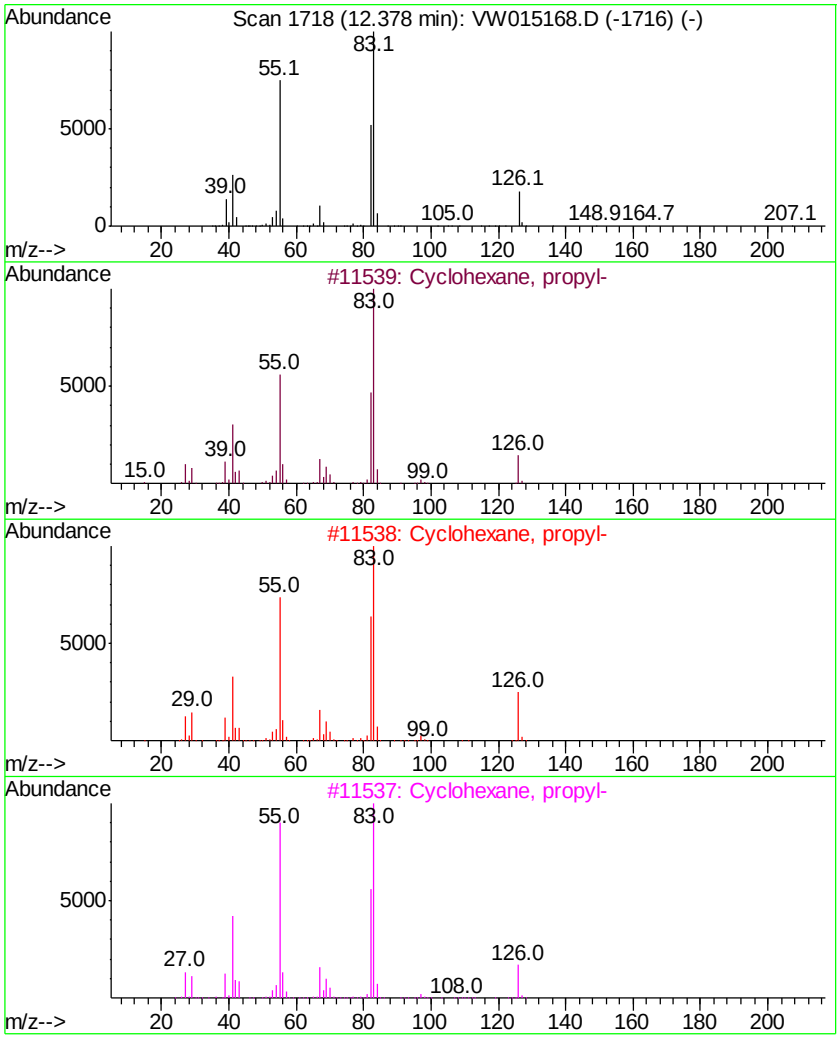
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

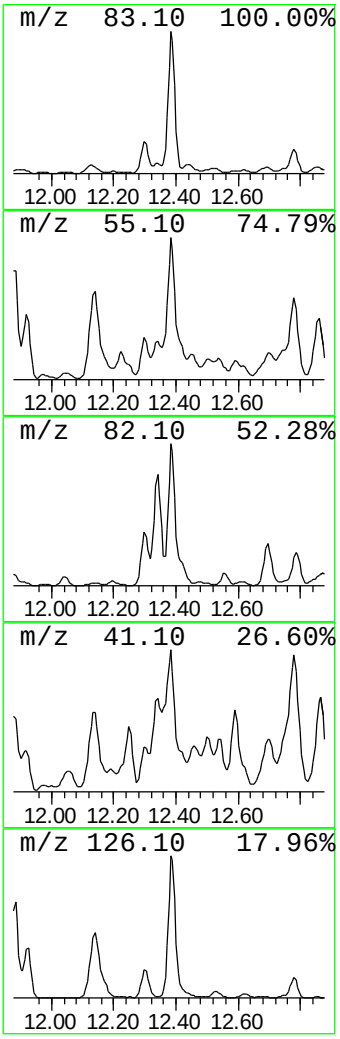
****

Peak Number 34 (DEL) Alkane: Cyclic12.38 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	60.56 ug/L	5513410	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	90
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	90
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	83
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

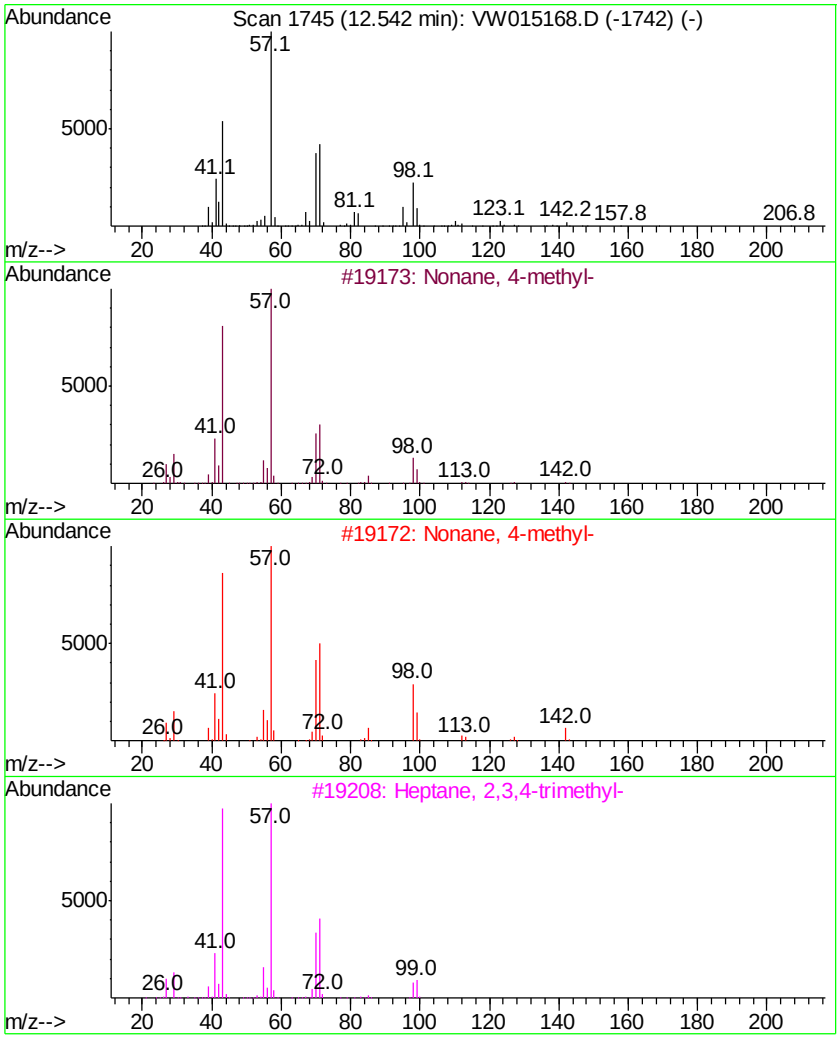
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

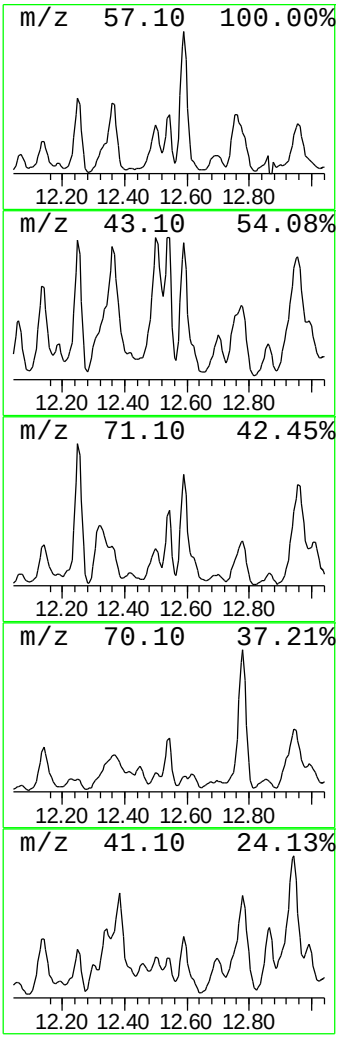
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	16.39 ug/L	1491940	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	72
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	59
3	Heptane, 2,3,4-trimethyl-	142	C10H22	052896-95-4	53
4	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53
5	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

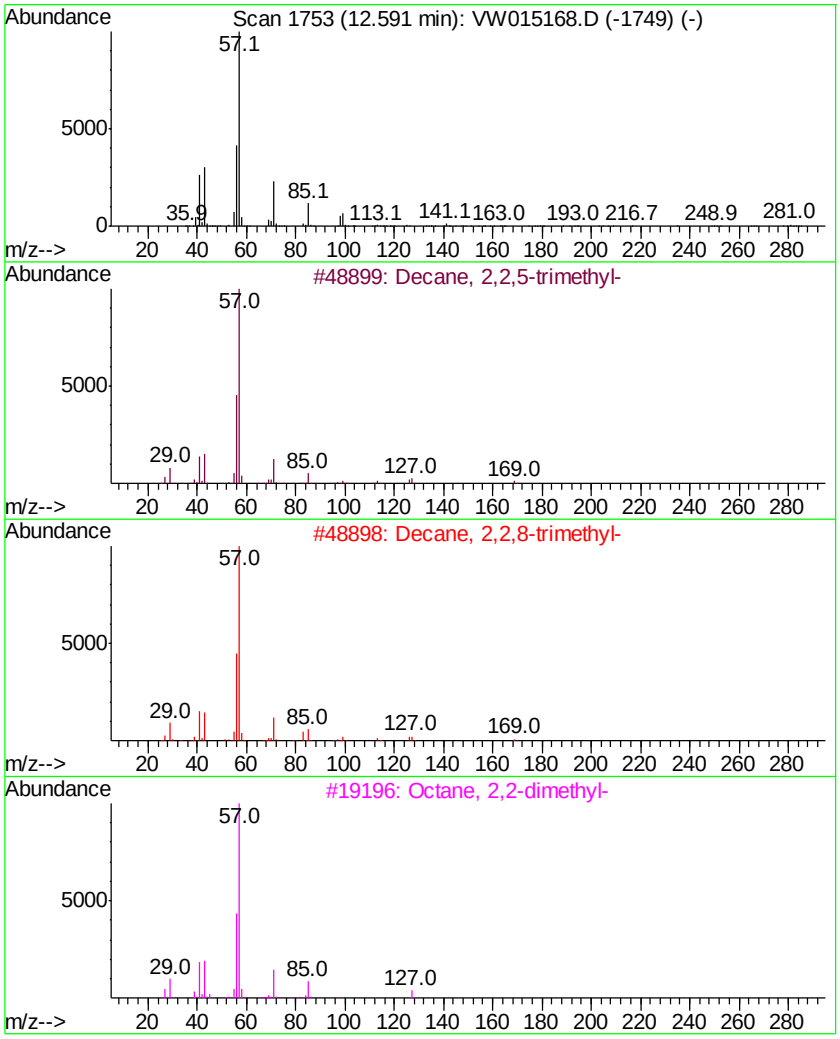
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

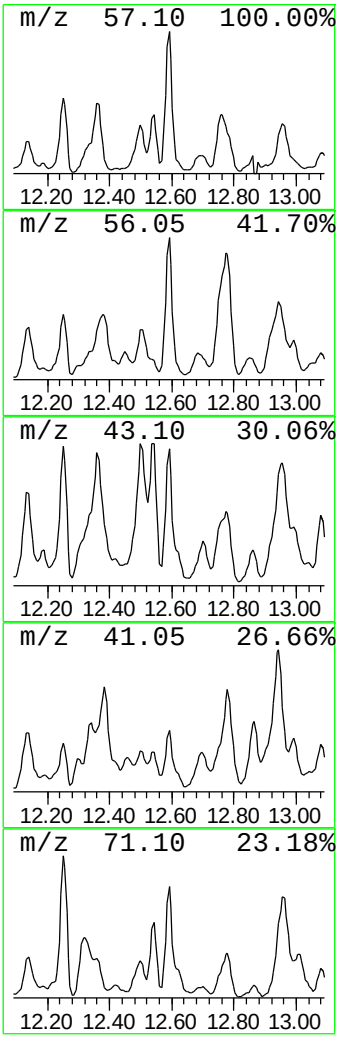
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 (DEL) Alkane: Straight-Chai... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	68.72 ug/L	6255850	Chlorobenzene-d5	11.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,2,5-trimethyl-	184	C13H28	062237-96-1	72
2	Decane, 2,2,8-trimethyl-	184	C13H28	062238-01-1	72
3	Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	59
4	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59
5	Heptane, 2,2,4-trimethyl-	142	C10H22	014720-74-2	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

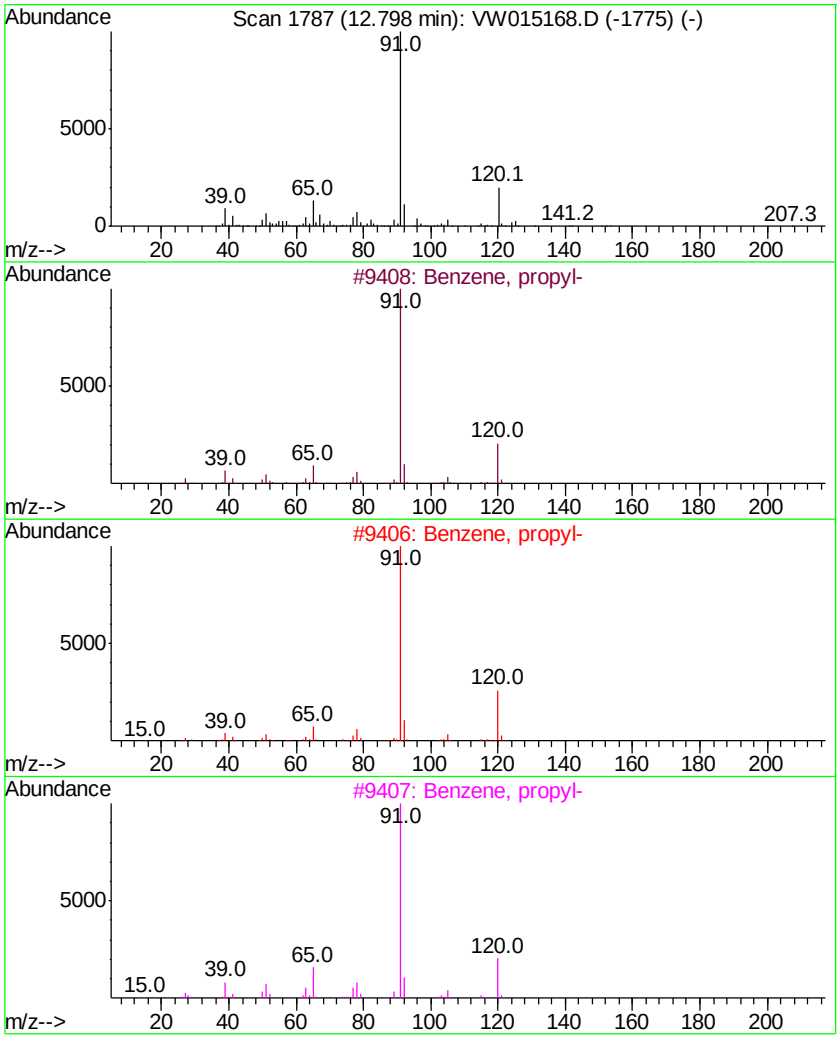
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

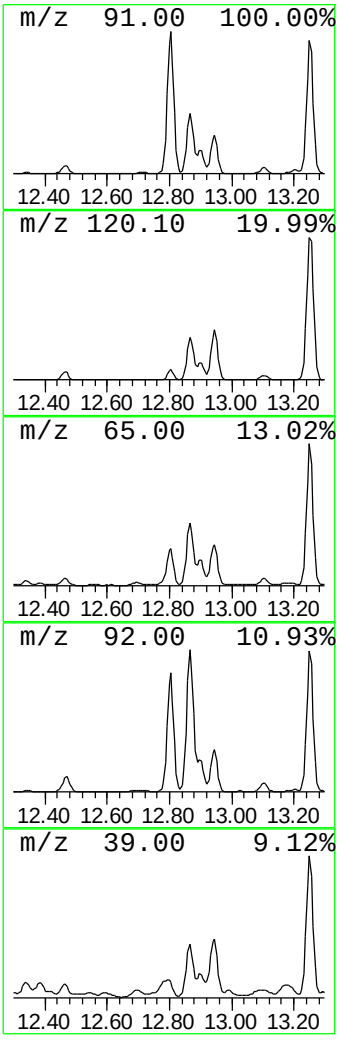
****

Peak Number 37 Benzene, propyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	9.27 ug/L	20029000	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	81
2	Benzene, propyl-	120	C9H12	000103-65-1	80
3	Benzene, propyl-	120	C9H12	000103-65-1	76
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	72
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	59





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

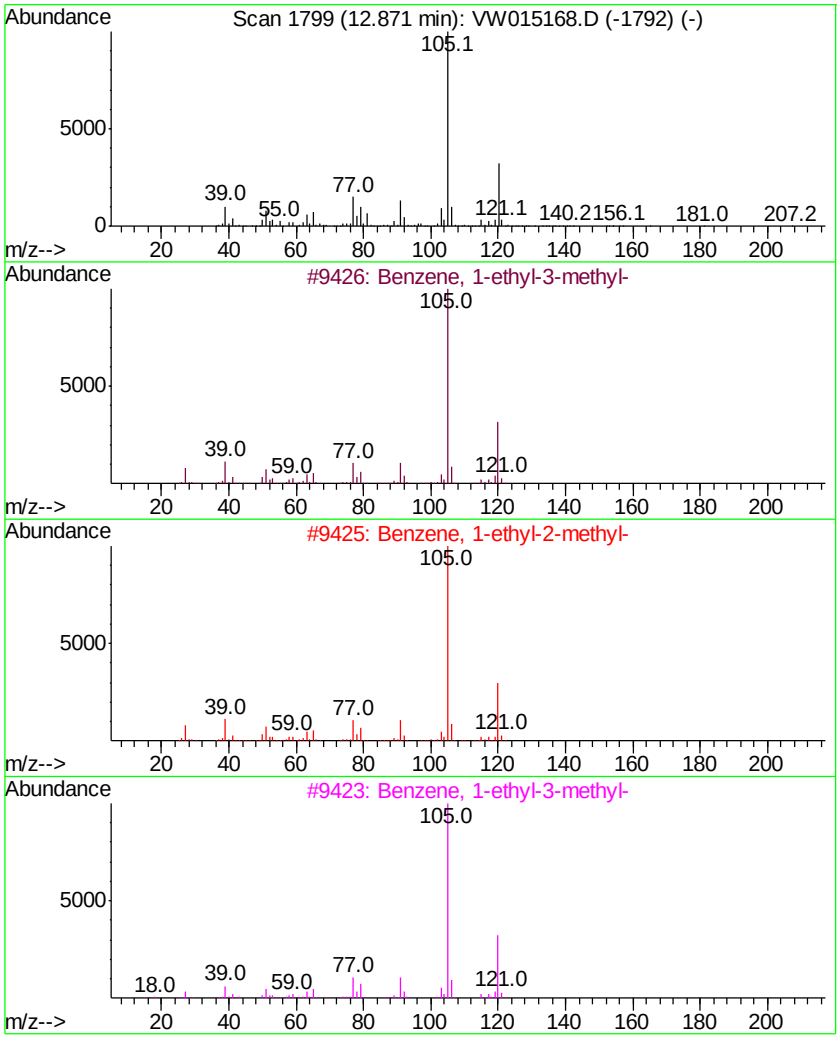
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

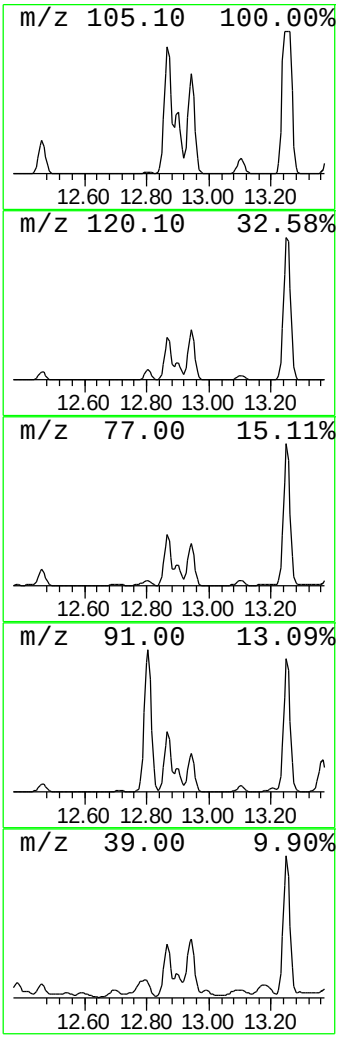
****

Peak Number 38 Benzene, 1-ethyl-3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	18.71 ug/L	40395600	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

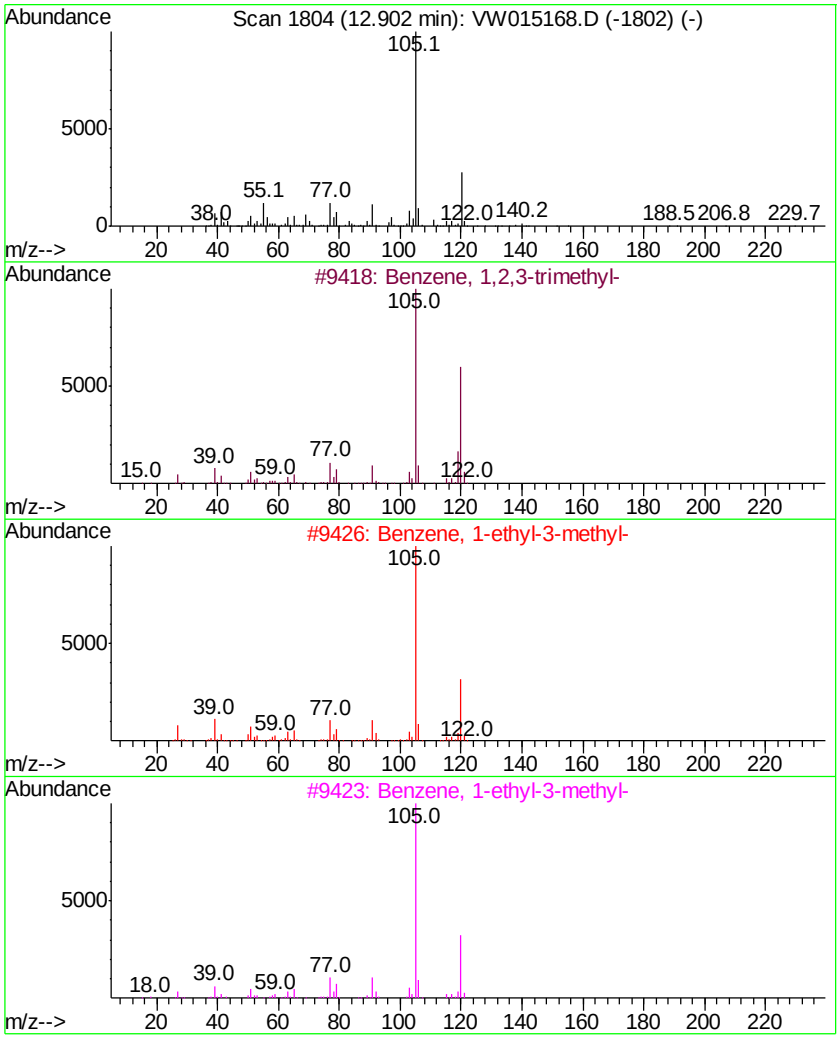
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

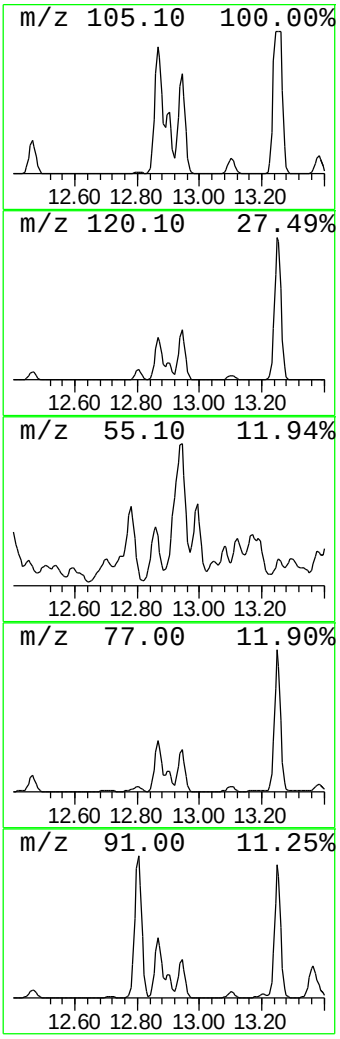
****

Peak Number 39 Benzene, 1,2,3-trimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	6.67 ug/L	14408300	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	87
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

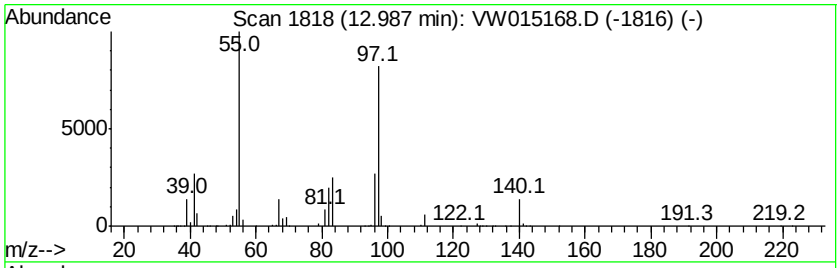
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

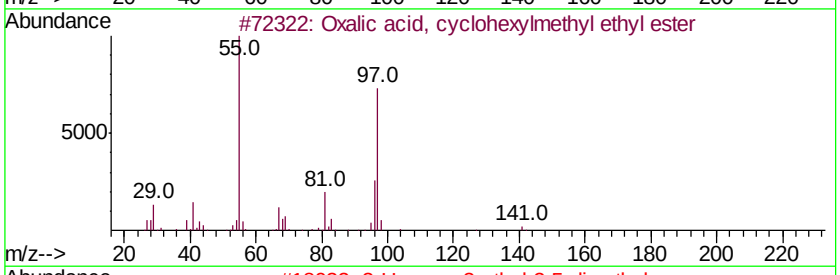
****

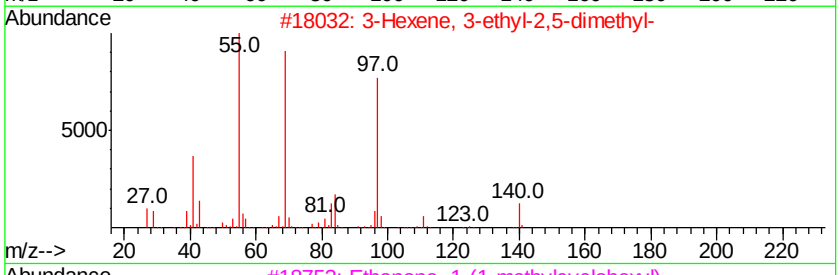
Peak Number 41 Oxalic acid, cyclohexylmeth... Concentration Rank 61

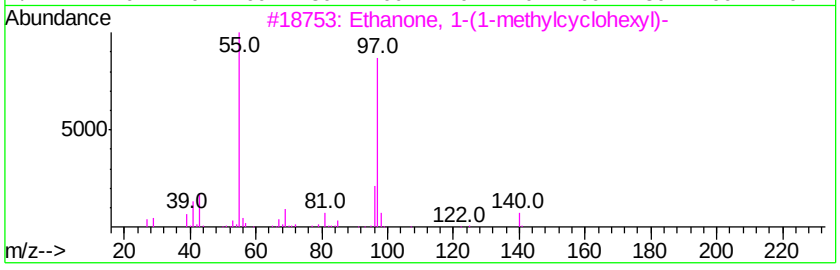
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	1.45 ug/L	3125780	1,4-Dichlorobenzene-d4	13.56

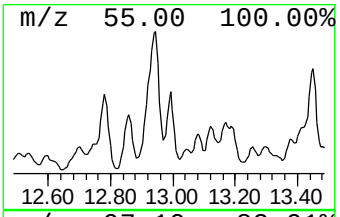
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl et...	214	C11H18O4	1000309-68-0	59
2	3-Hexene, 3-ethyl-2,5-dimethyl-	140	C10H20	062338-08-3	53
3	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	53
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	53
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	52

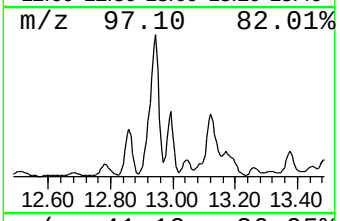


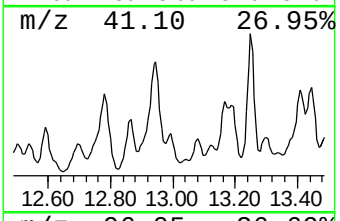


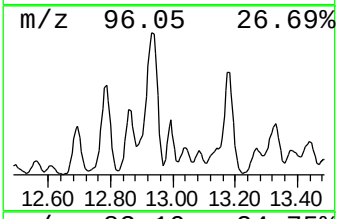


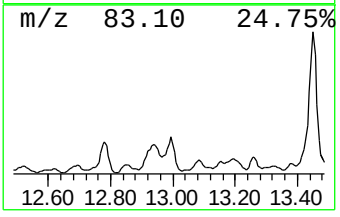












Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

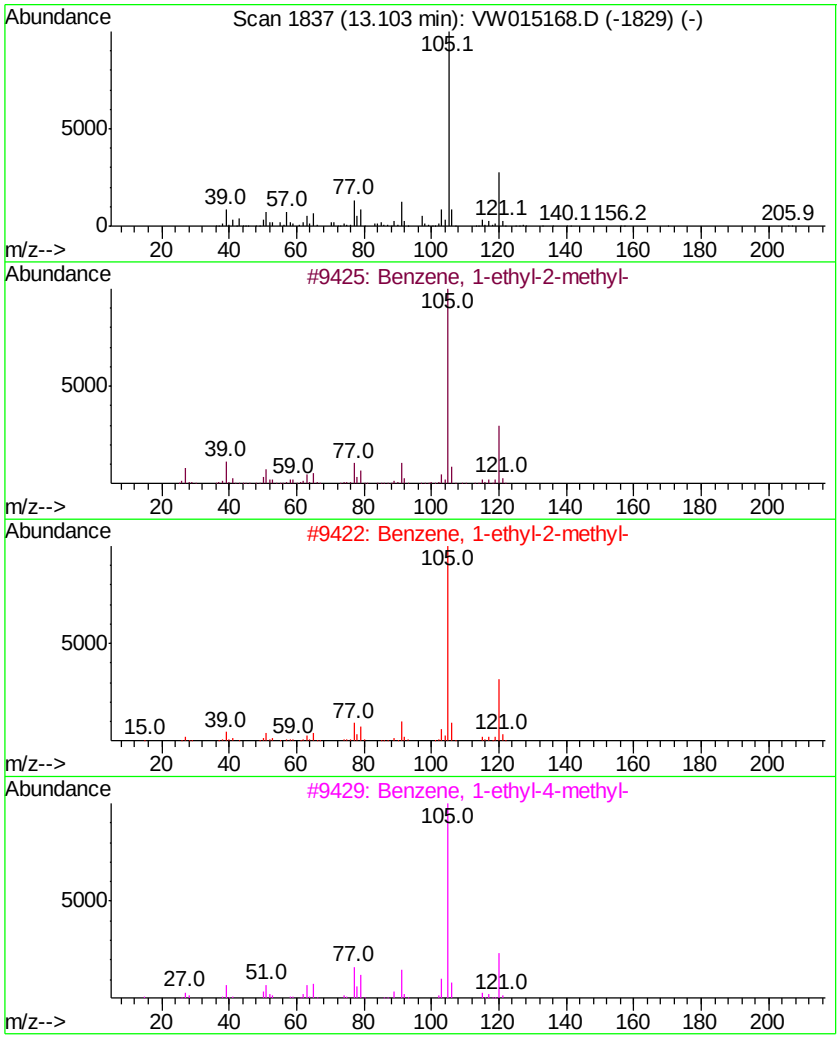
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

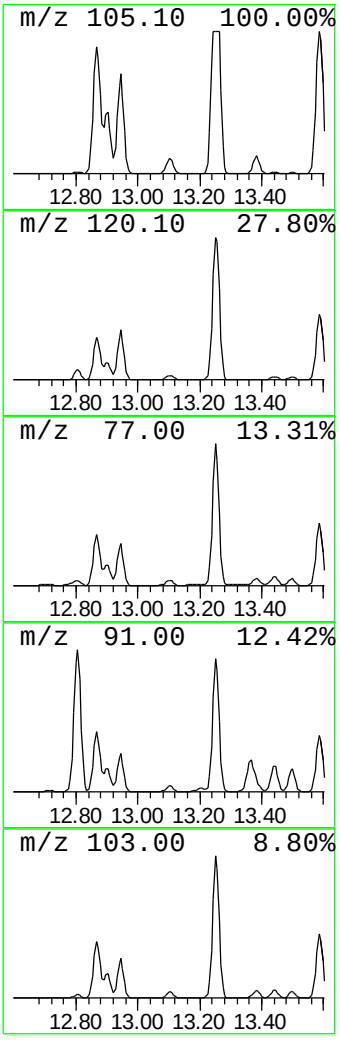
****

Peak Number 42 Benzene, 1-ethyl-2-methyl- Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	3.48 ug/L	7520610	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	93
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

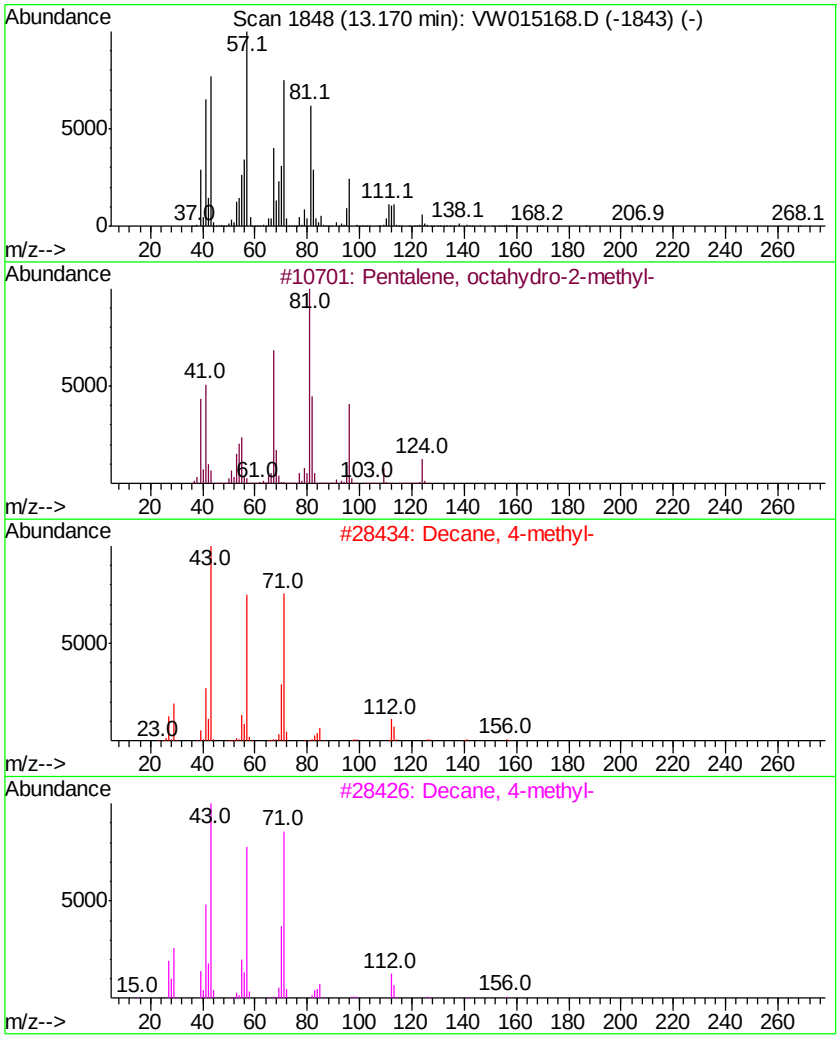
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

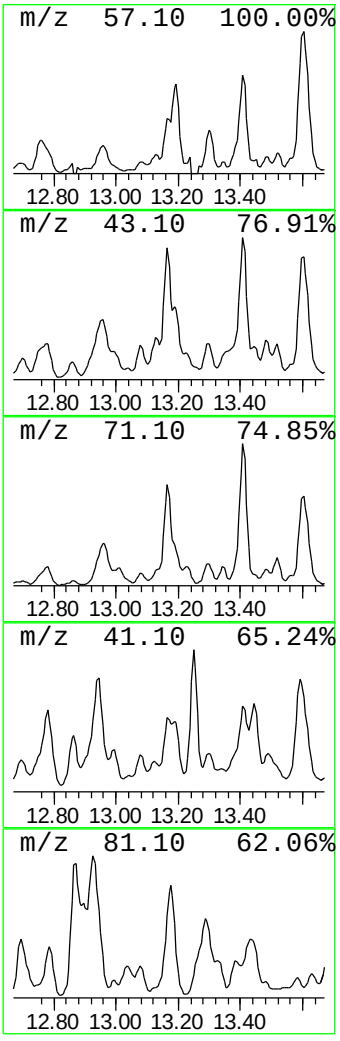
****

Peak Number 43 Pentalene, octahydro-2-methyl- Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	2.54 ug/L	5491610	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	52
2	Decane, 4-methyl-	156	C11H24	002847-72-5	49
3	Decane, 4-methyl-	156	C11H24	002847-72-5	45
4	Octane, 3-ethyl-	142	C10H22	005881-17-4	43
5	Heptane, 3-ethyl-5-methyl-	142	C10H22	052896-90-9	43





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

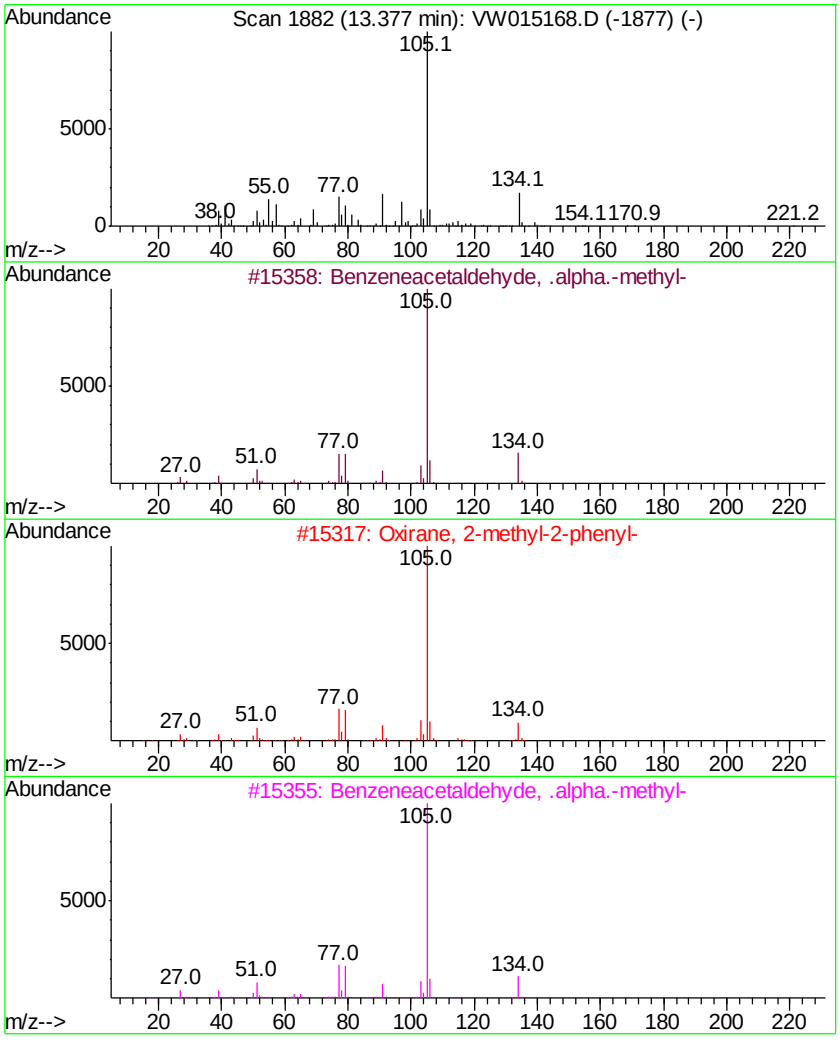
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

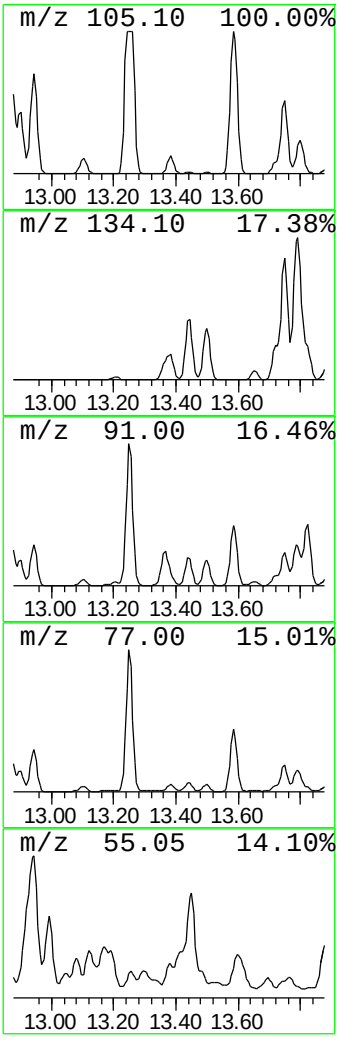
****

Peak Number 45 Benzeneacetaldehyde, .alpha... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.38	3.51 ug/L	7580140	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	93
2	Oxirane, 2-methyl-2-phenyl-	134	C9H10O	002085-88-3	76
3	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	76
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	68
5	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

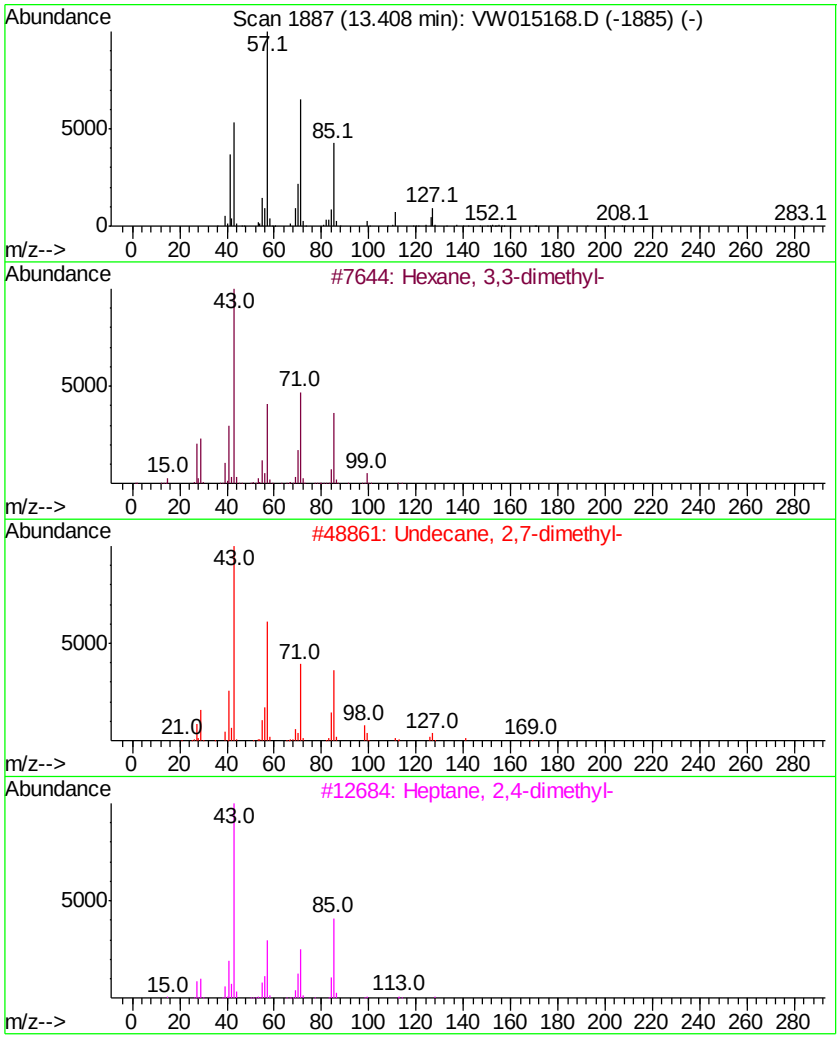
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

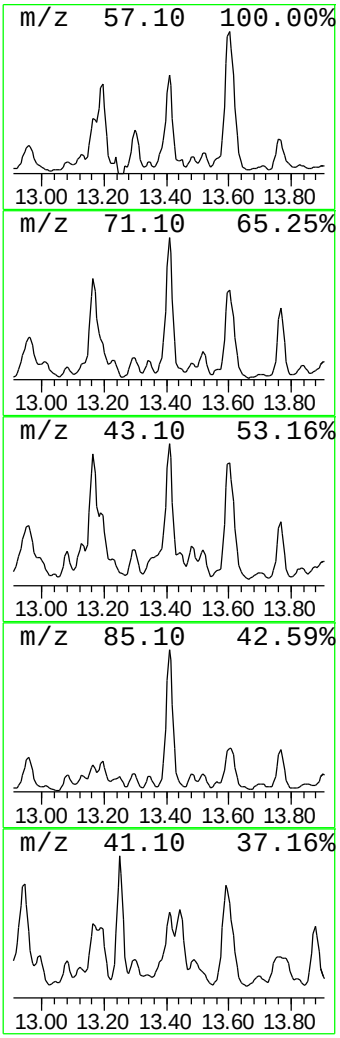
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.41	3.07 ug/L	6629380	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	72
2	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	64
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	59
4	Undecane, 4,7-dimethyl-	184	C13H28	017301-32-5	53
5	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

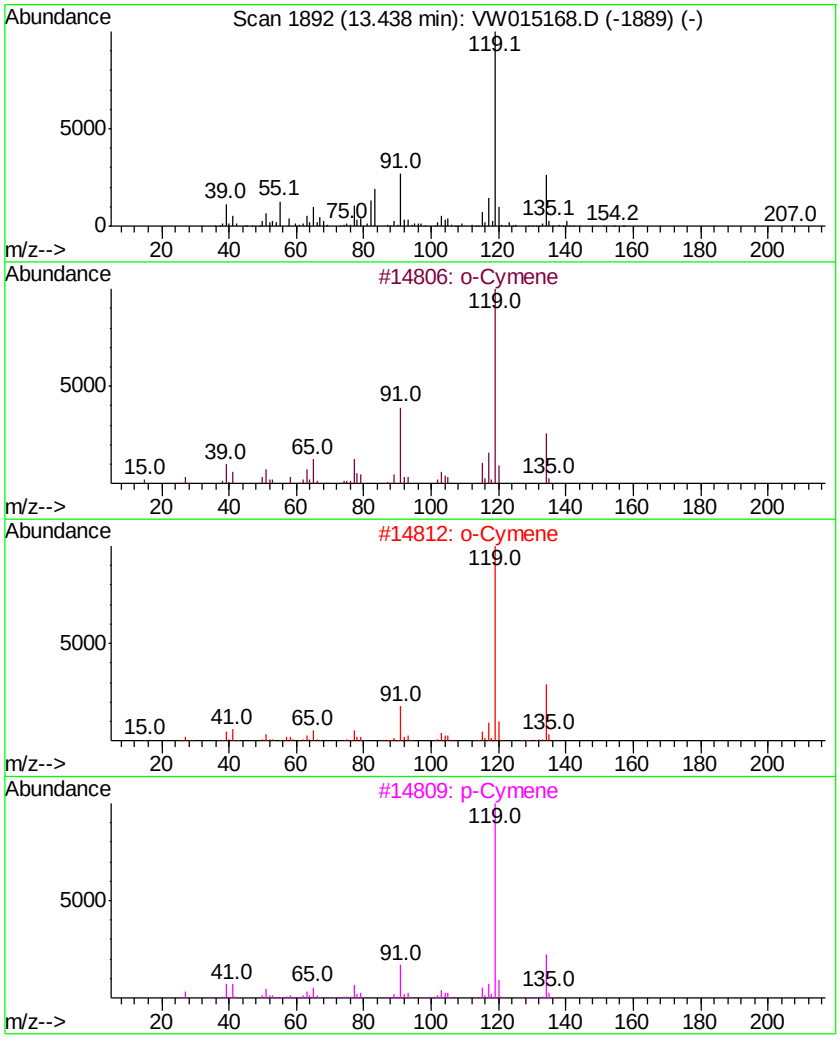
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

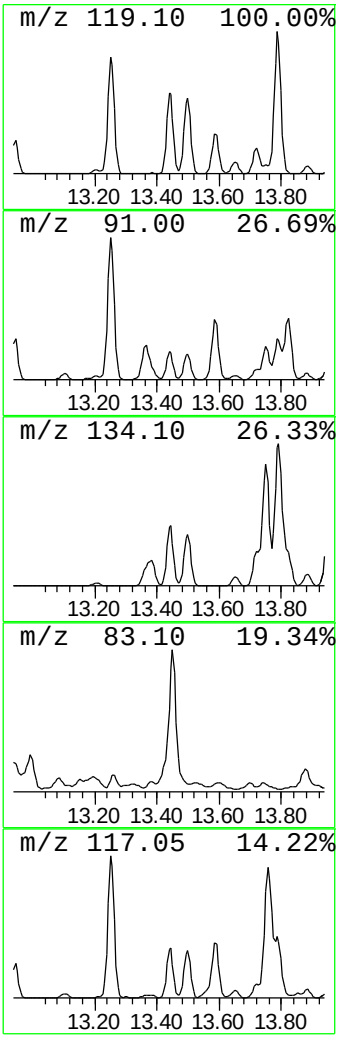
****

Peak Number 47 o-Cymene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.44	7.19 ug/L	15518400	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	o-Cymene	134	C10H14	000527-84-4	93
3	p-Cymene	134	C10H14	000099-87-6	92
4	o-Cymene	134	C10H14	000527-84-4	92
5	o-Cymene	134	C10H14	000527-84-4	92





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

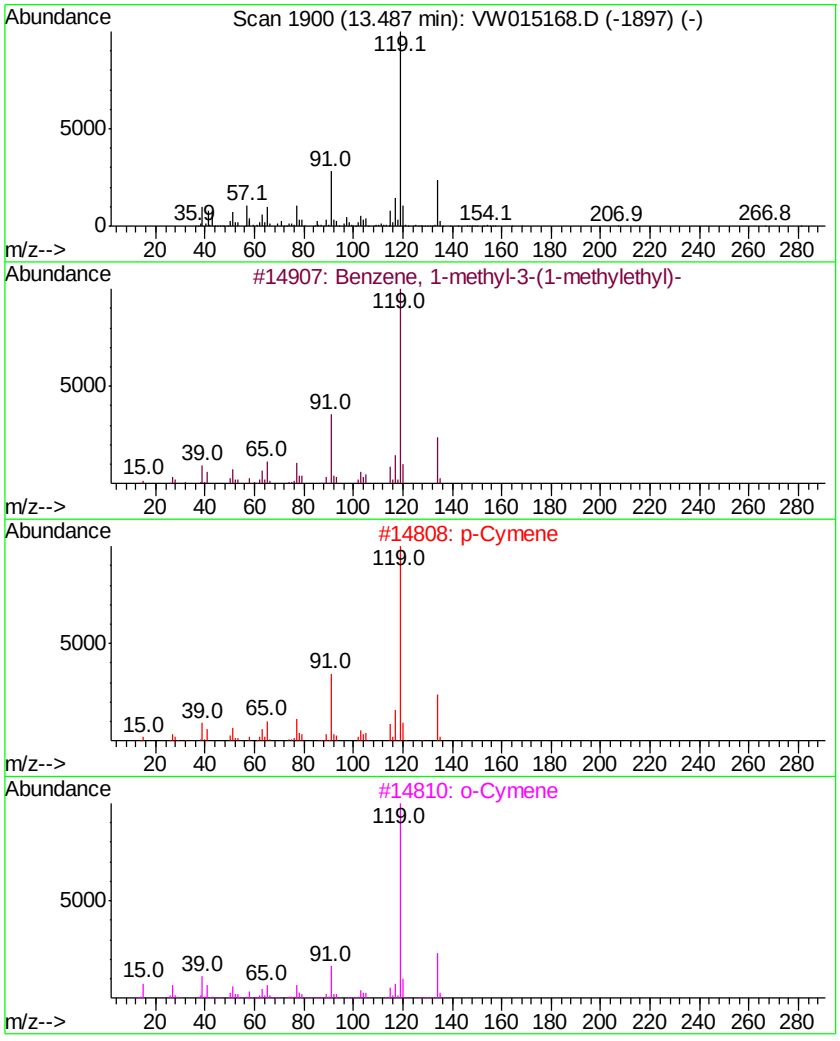
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

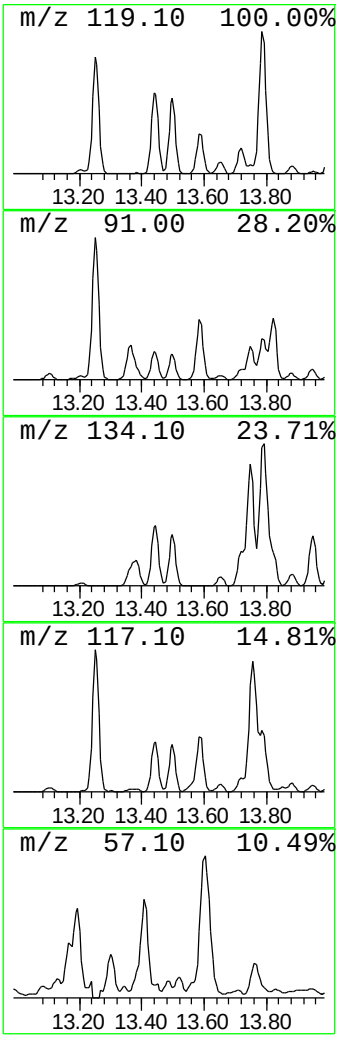
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 48 Benzene, 1-methyl-3-(1-meth... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	4.18 ug/L	9024550	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	97
2	p-Cymene	134	C10H14	000099-87-6	97
3	o-Cymene	134	C10H14	000527-84-4	94
4	p-Cymene	134	C10H14	000099-87-6	94
5	o-Cymene	134	C10H14	000527-84-4	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

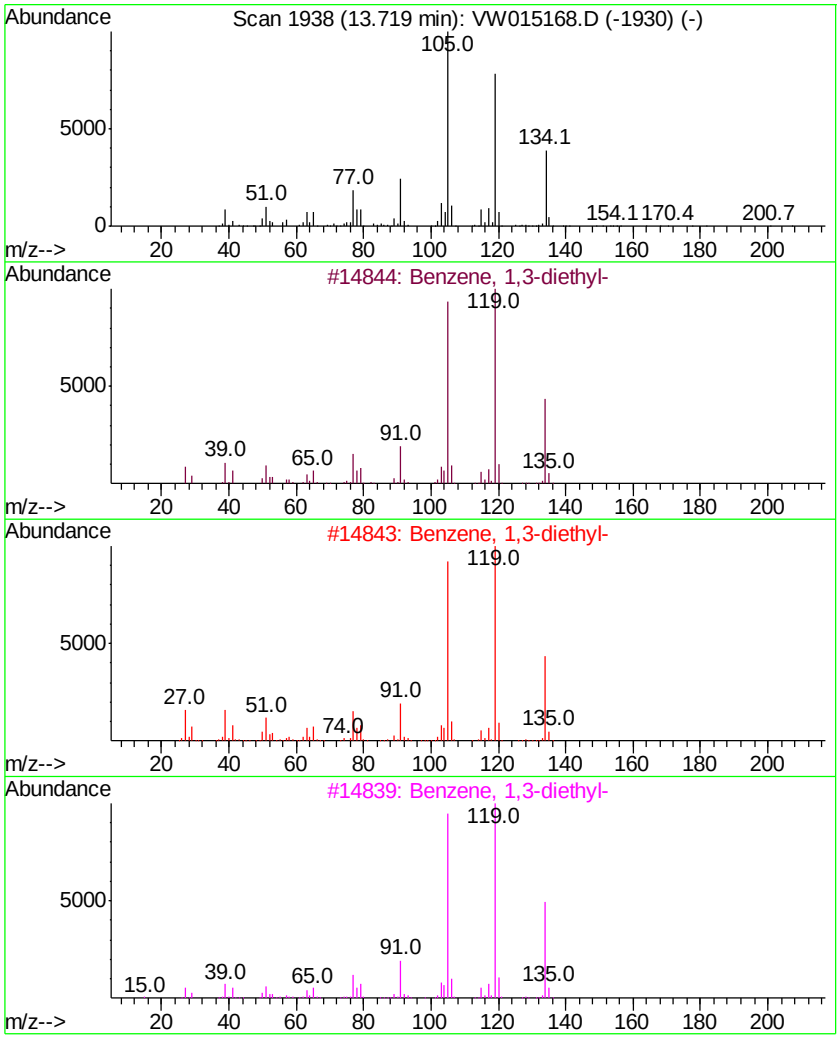
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

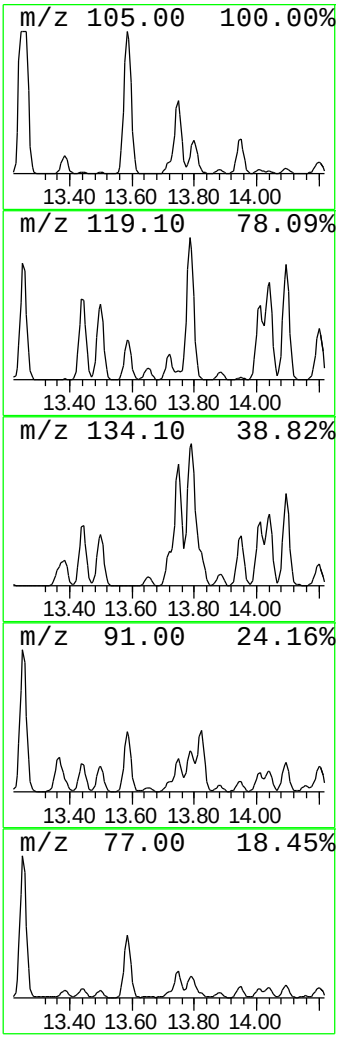
****

Peak Number 49 Benzene, 1,3-diethyl- Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	2.05 ug/L	4416340	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
4	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
5	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

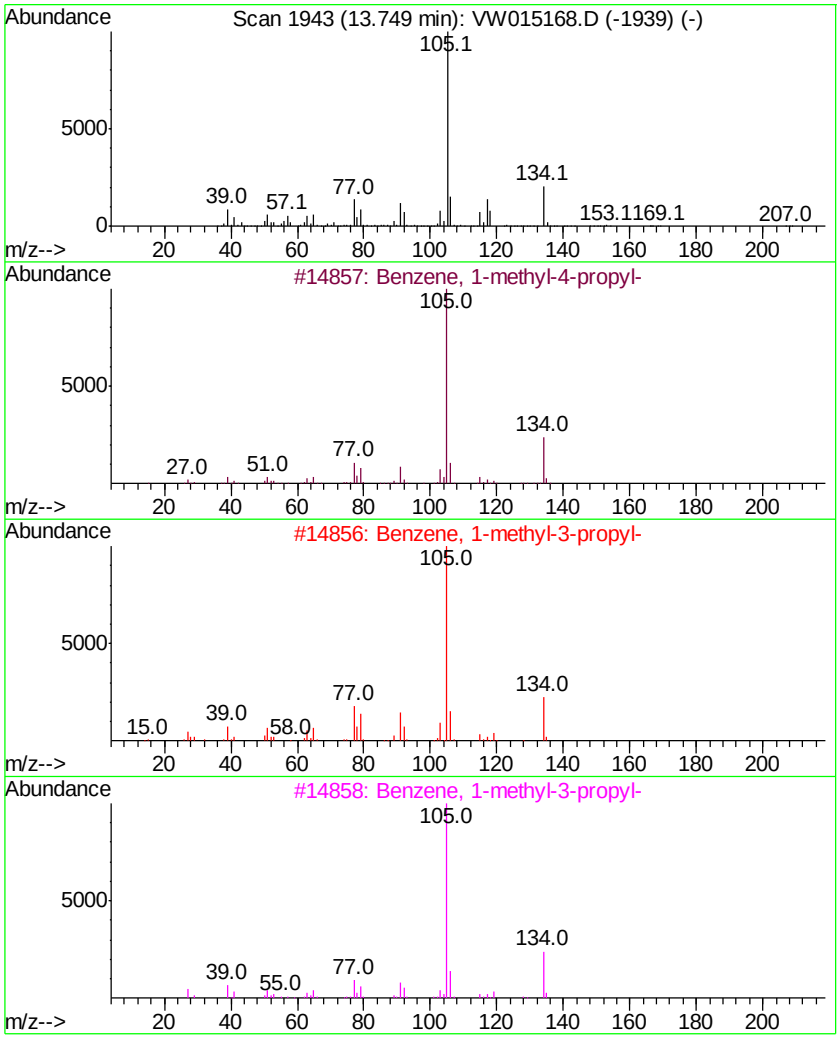
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

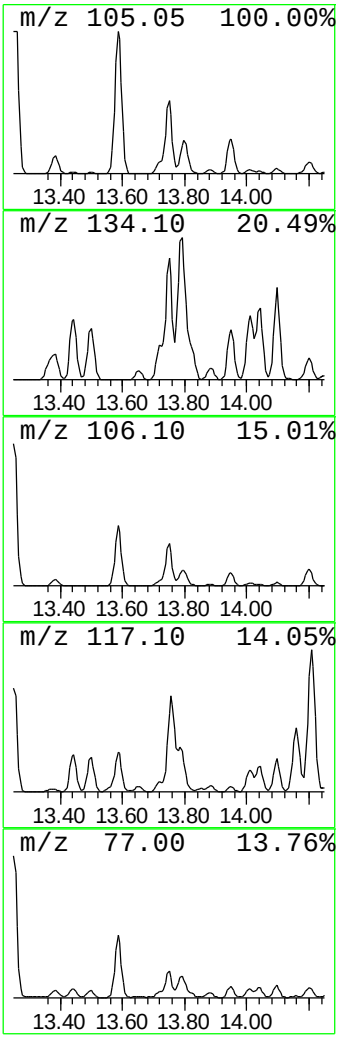
****

Peak Number 50 Benzene, 1-methyl-4-propyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	10.23 ug/L	22090700	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	87
2	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	87
4	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	83
5	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

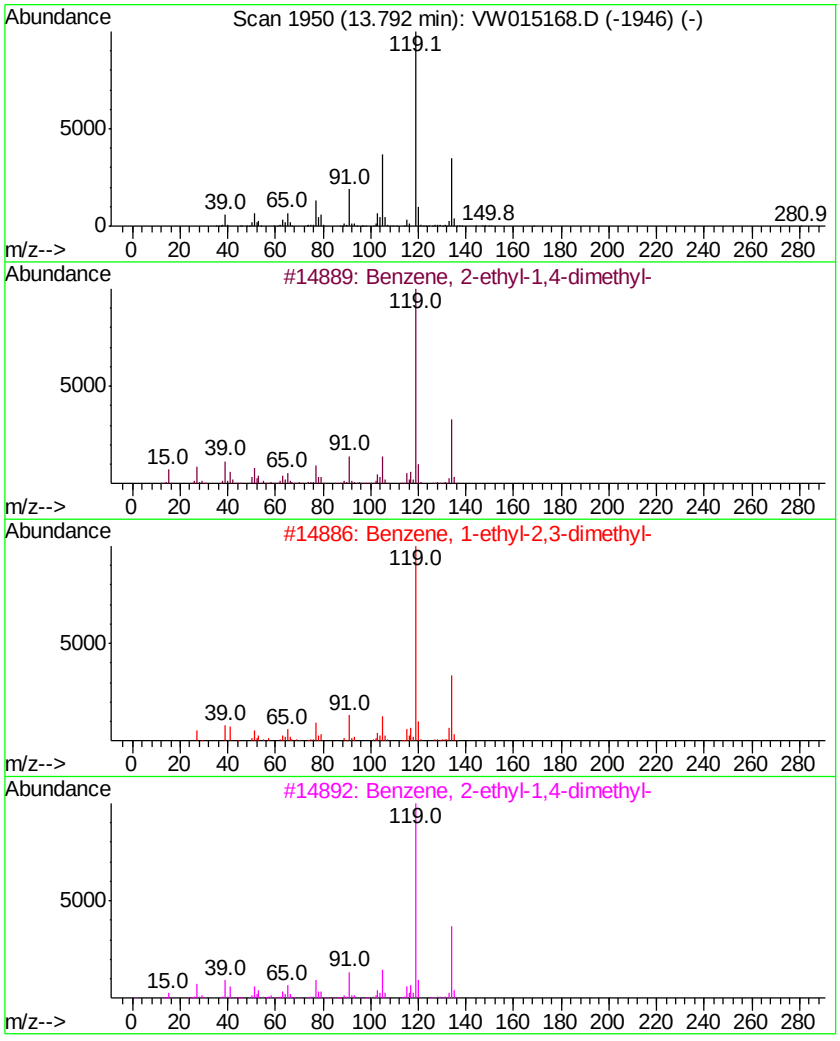
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

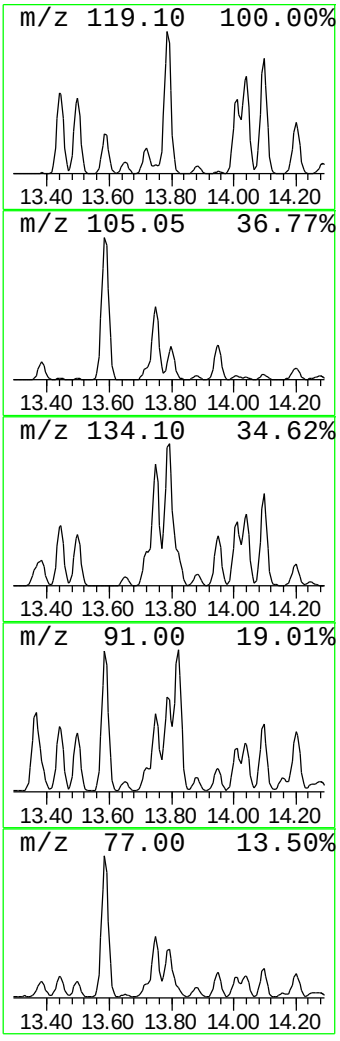
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 51 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	11.83 ug/L	25554700	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	87
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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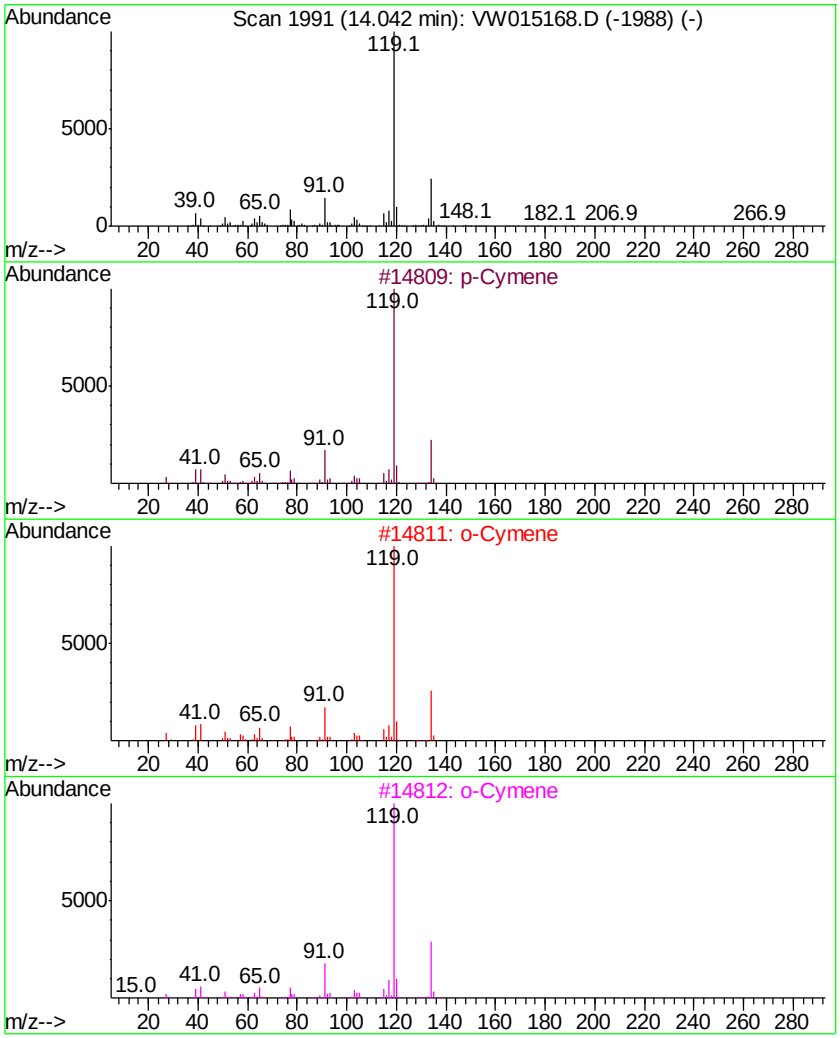
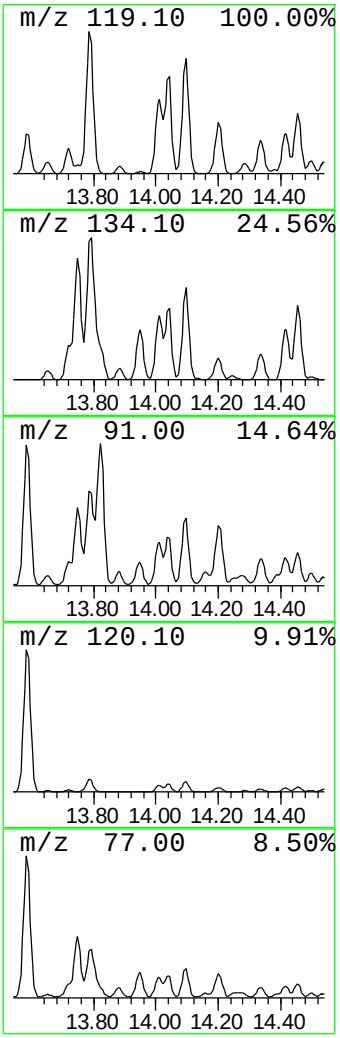
Peak Number 54 p-Cymene Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	4.02 ug/L	8689600	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	o-Cymene	134	C10H14	000527-84-4	97
4	o-Cymene	134	C10H14	000527-84-4	97
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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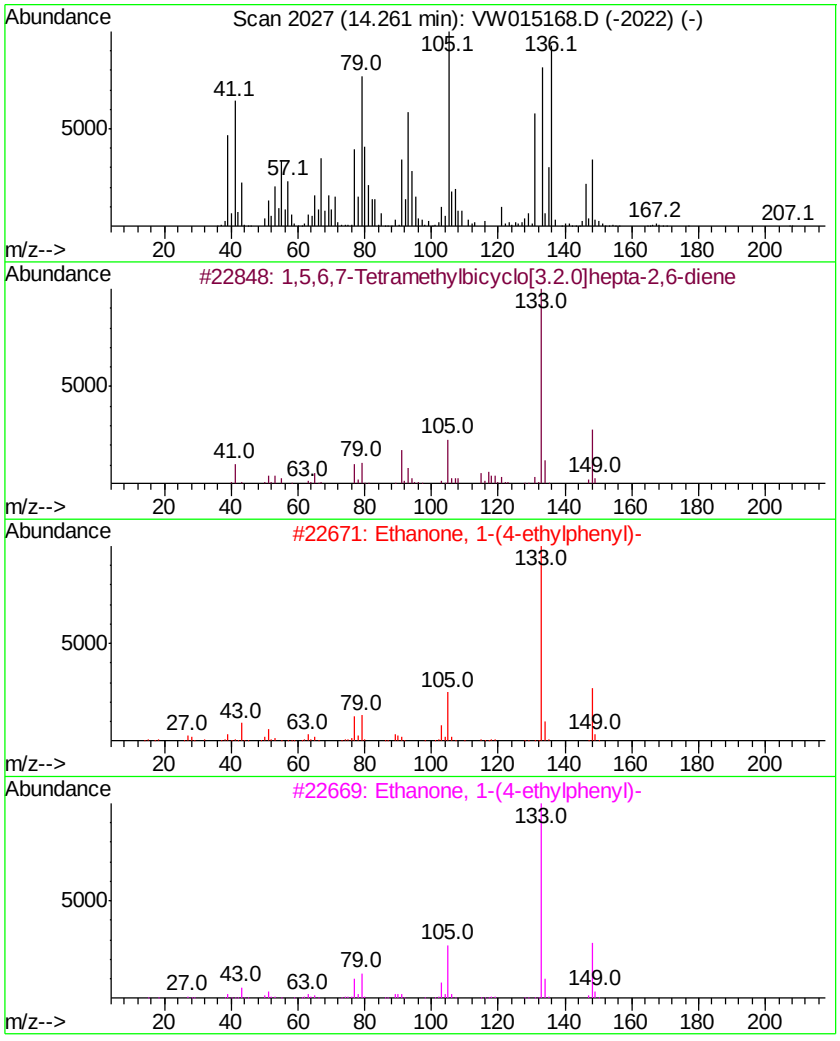
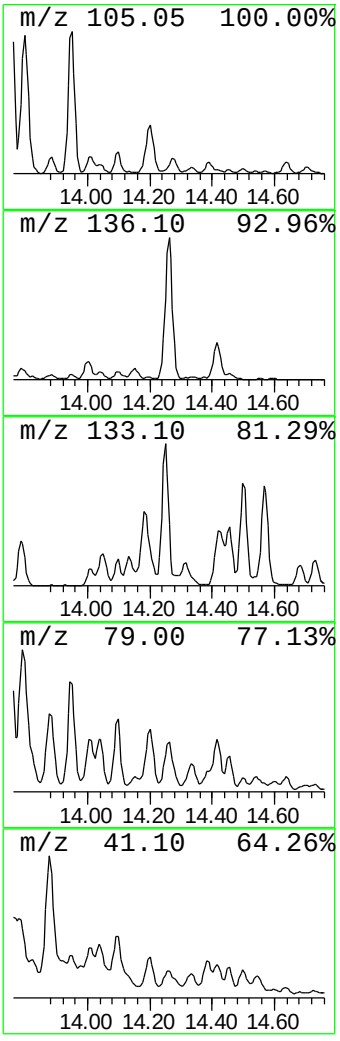
Peak Number 57 unknown-01 Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	1.67 ug/L	3607800	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	43
2	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	43
3	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	38
4	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	38
5	Benzene, 1-(1,1-dimethylethyl)-3...	148	C11H16	001075-38-3	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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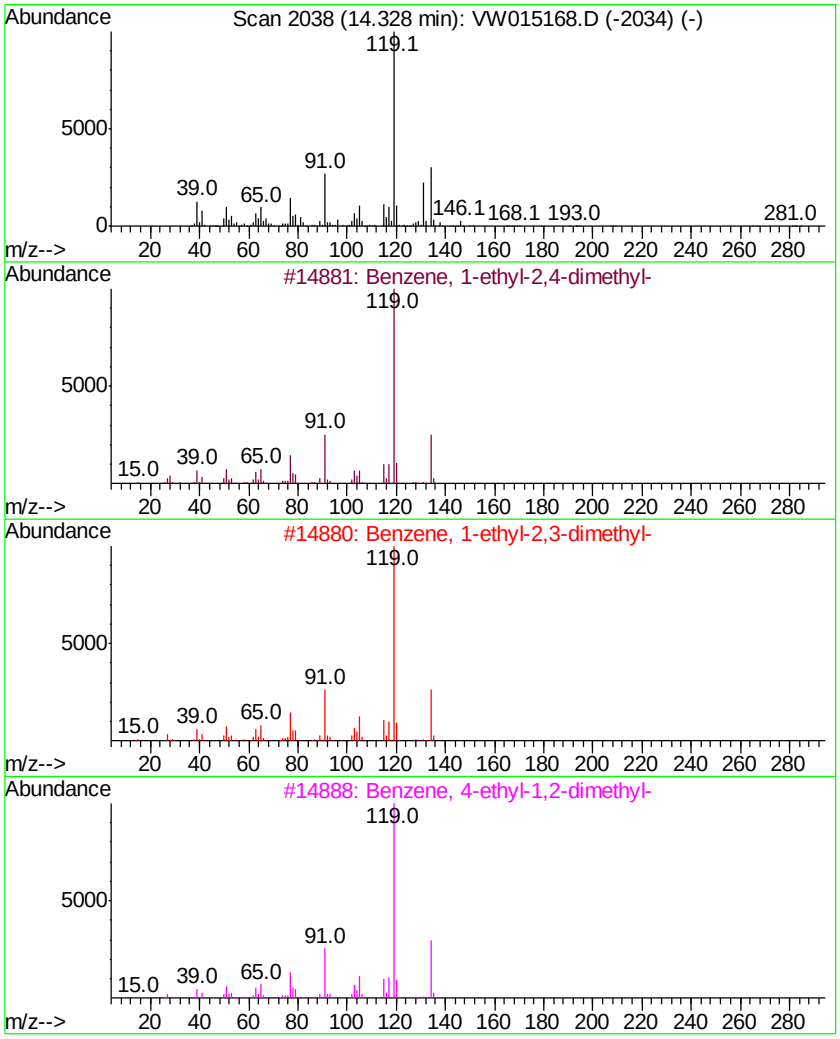
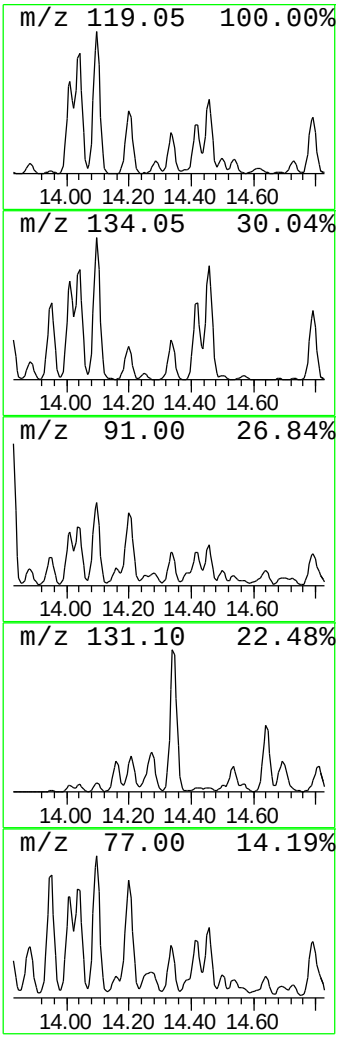
Peak Number 58 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	2.09 ug/L	4507690	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	96
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.M
Quant Title : VOC Analysis

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

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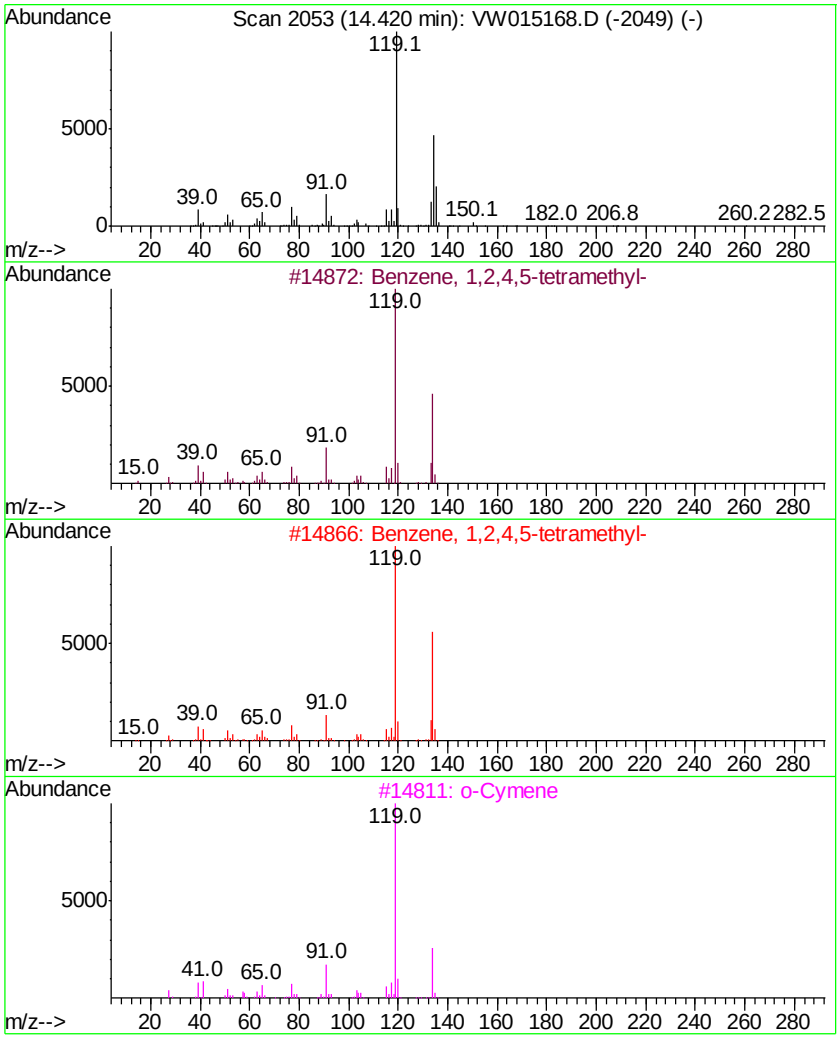
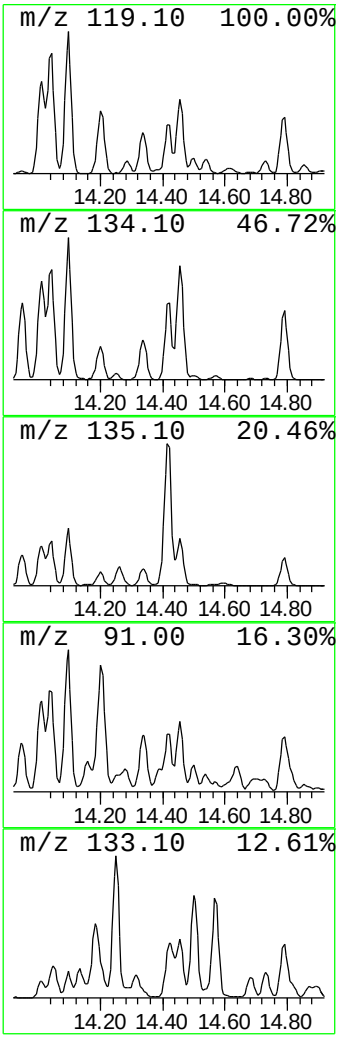
Peak Number 59 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	2.48 ug/L	5361030	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
3	o-Cymene	134	C10H14	000527-84-4	91
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040820\
Data File : VW015168.D
Acq On : 08 Apr 2020 14:00
Operator : SY/VA
Sample : L2176-07
Misc : 5.64G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : BG2J3

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM032520S.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: Cyc...	6.98	2.0	ug/L	146843	1	8.84	1851000	25.0
(DEL) Alkane: Str...	8.04	2.7	ug/L	202967	1	8.84	1851000	25.0
(DEL) Alkane: Str...	8.16	6.4	ug/L	474299	1	8.84	1851000	25.0
(DEL) Alkane: Cyc...	8.43	6.1	ug/L	452667	1	8.84	1851000	25.0
(DEL) Alkane: Cyc...	8.51	4.8	ug/L	354003	1	8.84	1851000	25.0
(DEL) Alkane: Cyc...	8.57	8.9	ug/L	661684	1	8.84	1851000	25.0
(DEL) Alkane: Cyc...	9.52	4.6	ug/L	341507	1	8.84	1851000	25.0
(DEL) Alkane: Cyc...	9.61	9.9	ug/L	730288	1	8.84	1851000	25.0
(DEL) Alkane: Cyc...	9.75	9.8	ug/L	725768	1	8.84	1851000	25.0
(DEL) Alkane: Str...	9.90	6.0	ug/L	444876	1	8.84	1851000	25.0
(DEL) Alkane: Str...	9.96	35.9	ug/L	2659280	1	8.84	1851000	25.0
(DEL) Alkane: Str...	10.10	40.5	ug/L	2999260	1	8.84	1851000	25.0
(DEL) Alkane: Cyc...	10.44	2.6	ug/L	239209	2	11.63	2275850	25.0
(DEL) Alkane: Cyc...	10.49	17.1	ug/L	1554750	2	11.63	2275850	25.0
(DEL) Alkane: Cyc...	10.66	28.0	ug/L	2545590	2	11.63	2275850	25.0
(DEL) Alkane: Cyc...	10.76	17.9	ug/L	1632430	2	11.63	2275850	25.0
(DEL) Alkane: Str...	10.85	8.8	ug/L	797643	2	11.63	2275850	25.0
(DEL) Alkane: Str...	11.04	21.1	ug/L	1919150	2	11.63	2275850	25.0
(DEL) Alkane: Cyc...	11.11	12.3	ug/L	1122250	2	11.63	2275850	25.0
(DEL) Alkane: Cyc...	11.18	68.7	ug/L	6256690	2	11.63	2275850	25.0
(DEL) Alkane: Cyc...	11.23	37.9	ug/L	3454240	2	11.63	2275850	25.0
(DEL) Alkane: Str...	11.29	7.1	ug/L	643060	2	11.63	2275850	25.0
(DEL) Alkane: Str...	11.34	20.8	ug/L	1892760	2	11.63	2275850	25.0
(DEL) Alkane: Str...	11.40	25.1	ug/L	2286140	2	11.63	2275850	25.0
(DEL) Alkane: Cyc...	11.43	19.9	ug/L	1809030	2	11.63	2275850	25.0
(DEL) Alkane: Str...	11.51	27.3	ug/L	2484420	2	11.63	2275850	25.0
(DEL) Alkane: Cyc...	11.92	32.4	ug/L	2953550	2	11.63	2275850	25.0
(DEL) Alkane: Str...	11.98	6.2	ug/L	564142	2	11.63	2275850	25.0
Cyclohexene, 1-et...	12.05	22.5	ug/L	2046670	2	11.63	2275850	25.0
(DEL) Alkane: Str...	12.25	40.9	ug/L	3721290	2	11.63	2275850	25.0
(DEL) Alkane: Cyc...	12.30	23.2	ug/L	2112400	2	11.63	2275850	25.0
1H-Indene, octahy...	12.34	67.7	ug/L	6163970	2	11.63	2275850	25.0
(DEL) Alkane: Cyc...	12.38	60.6	ug/L	5513410	2	11.63	2275850	25.0
(DEL) Alkane: Str...	12.54	16.4	ug/L	1491940	2	11.63	2275850	25.0
(DEL) Alkane: Str...	12.59	68.7	ug/L	6255850	2	11.63	2275850	25.0
Benzene, propyl-	12.80	9.3	ug/L	20029000	3	13.56	53987500	25.0
Benzene, 1-ethyl-...	12.87	18.7	ug/L	40395600	3	13.56	53987500	25.0
Benzene, 1,2,3-tr...	12.90	6.7	ug/L	14408300	3	13.56	53987500	25.0
Oxalic acid, cycl...	12.99	1.5	ug/L	3125780	3	13.56	53987500	25.0
Benzene, 1-ethyl-...	13.10	3.5	ug/L	7520610	3	13.56	53987500	25.0
Pentalene, octahy...	13.17	2.5	ug/L	5491610	3	13.56	53987500	25.0
Benzeneacetaldehy...	13.38	3.5	ug/L	7580140	3	13.56	53987500	25.0
(DEL) Alkane: Str...	13.41	3.1	ug/L	6629380	3	13.56	53987500	25.0
o-Cymene	13.44	7.2	ug/L	15518400	3	13.56	53987500	25.0
Benzene, 1-methyl...	13.49	4.2	ug/L	9024550	3	13.56	53987500	25.0
Benzene, 1,3-diet...	13.72	2.0	ug/L	4416340	3	13.56	53987500	25.0
Benzene, 1-methyl...	13.75	10.2	ug/L	22090700	3	13.56	53987500	25.0
Benzene, 2-ethyl-...	13.79	11.8	ug/L	25554700	3	13.56	53987500	25.0
p-Cymene	14.04	4.0	ug/L	8689600	3	13.56	53987500	25.0

unknown-01	14.26	1.7	ug/L	3607800	3	13.56	53987500	25.0
Benzene, 1-ethyl-...	14.33	2.1	ug/L	4507690	3	13.56	53987500	25.0
Benzene, 1,2,4,5-...	14.42	2.5	ug/L	5361030	3	13.56	53987500	25.0

Instrument :
MSVOA_W
ClientSampleId :
BG2J3