LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY112119\
Data File : VY000768.D
Acq On : 21 Nov 2019 15:20
Operator : SY/MD
Sample : K5957-05
Misc : 5.31G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-3-(12.5-14.5)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Title : SW846 8260

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.865	17	21	34	rVB2	13890	31715	1.73%	0.162%
2	2.243	78	83	91	rVB	12401	23154	1.27%	0.118%
3	4.725	478	490	500	rBV5	9317	27915	1.53%	0.142%
4	7.511	937	947	961	rVB3	8938	23957	1.31%	0.122%
5	7.730	971	983	988	rBV	234067	559986	30.62%	2.858%
6	7.797	988	994	1006	rVB	434431	979943	53.58%	5.001%
7	8.151	1039	1052	1064	rBV	234091	513295	28.06%	2.620%
8	8.693	1132	1141	1153	rVB	685636	1349835	73.80%	6.889%
9	10.181	1375	1385	1393	rBV	1057334	1828973	100.00%	9.334%
10	10.577	1444	1450	1457	rBV3	16797	33457	1.83%	0.171%
11	11.089	1530	1534	1539	rVB4	13441	21642	1.18%	0.110%
12	11.272	1557	1564	1566	rBV3	10721	21516	1.18%	0.110%
13	11.486	1592	1599	1609	rBV	946515	1519835	83.10%	7.756%
14	11.681	1625	1631	1633	rBV5	12600	25682	1.40%	0.131%
15	11.735	1633	1640	1644	rVV	46170	98818	5.40%	0.504%
16	11.772	1644	1646	1653	rVB2	29777	47865	2.62%	0.244%
17	11.924	1667	1671	1676	rVB2	23114	38275	2.09%	0.195%
18	12.004	1676	1684	1690	rBV7	79865	206399	11.28%	1.053%
19	12.120	1699	1703	1707	rVB	122043	160040	8.75%	0.817%
20	12.199	1711	1716	1719	rVV5	69876	130751	7.15%	0.667%
21	12.235	1719	1722	1728	rVV3	104239	187904	10.27%	0.959%
22	12.321	1732	1736	1739	rBV4	22644	37910	2.07%	0.193%
23	12.376	1740	1745	1748	rVV4	43859	80926	4.42%	0.413%
24	12.406	1748	1750	1756	rVB2	72119	102484	5.60%	0.523%
25	12.479	1756	1762	1768	rBV	733245	1169063	63.92%	5.966%
26	12.565	1769	1776	1779	rBV7	35245	76240	4.17%	0.389%
27	12.638	1784	1788	1796	rVB5	140206	295340	16.15%	1.507%
28	12.723	1796	1802	1806	rBV5	79119	174083	9.52%	0.888%
29	12.808	1806	1816	1820	rBV4	316590	682100	37.29%	3.481%
30	12.857	1820	1824	1829	rVB2	126466	212120	11.60%	1.083%
31	12.912	1829	1833	1834	rBV4	18530	22227	1.22%	0.113%
32	12.949	1834	1839	1842	rBV2	100819	166166	9.09%	0.848%
33	12.997	1842	1847	1849	rBV3	52613	79245	4.33%	0.404%
34	13.034	1849	1853	1860	rVB	413544	607669	33.22%	3.101%

LSC Area Percent Report

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Acq On : 21 Nov 2019 15:20
Operator : SY/MD
Sample : K5957-05
Misc : 5.31G/5ML/MSVOA Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-3-(12.5-14.5)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Title : SW846 8260

35	13.113	1860	1866	1871	rVB2	201465	326829	17.87%	1.668%
36	13.162	1871	1874	1879	rBV3	74215	107864	5.90%	0.550%
37	13.217	1879	1883	1885	rBV2	73019	102925	5.63%	0.525%
38	13.314	1891	1899	1903	rBV5	280844	555680	30.38%	2.836%
39	13.357	1903	1906	1910	rVV4	123974	182169	9.96%	0.930%
40	13.418	1910	1916	1931	rVB2	879820	1777333	97.18%	9.070%
41	13.564	1936	1940	1941	rBV4	46751	57030	3.12%	0.291%
42	13.589	1941	1944	1947	rVB	56263	62011	3.39%	0.316%
43	13.662	1952	1956	1964	rVB3	101967	215389	11.78%	1.099%
44	13.747	1964	1970	1974	rBV2	275679	505484	27.64%	2.580%
45	13.790	1974	1977	1981	rVB2	75009	84290	4.61%	0.430%
46	13.851	1984	1987	1989	rBV4	38845	49401	2.70%	0.252%
47	13.912	1994	1997	2002	rVV3	189215	350573	19.17%	1.789%
48	13.967	2002	2006	2010	rVV	352263	533720	29.18%	2.724%
49	14.016	2010	2014	2018	rVB4	89714	143468	7.84%	0.732%
50	14.076	2018	2024	2029	rVB3	196937	331746	18.14%	1.693%
51	14.144	2029	2035	2040	rBV7	77852	172314	9.42%	0.879%
52	14.259	2040	2054	2057	rBV6	213767	626744	34.27%	3.199%
53	14.290	2057	2059	2062	rVV2	153104	201660	11.03%	1.029%
54	14.333	2062	2066	2070	rVB	252533	346949	18.97%	1.771%
55	14.375	2070	2073	2077	rBV3	87402	118376	6.47%	0.604%
56	14.418	2077	2080	2083	rBV3	66990	80098	4.38%	0.409%
57	14.564	2100	2104	2108	rBV6	26907	53032	2.90%	0.271%
58	14.607	2108	2111	2116	rVB	67094	89751	4.91%	0.458%
59	14.674	2116	2122	2128	rBV3	146812	329803	18.03%	1.683%
60	14.729	2128	2131	2137	rVB2	123020	202772	11.09%	1.035%
61	14.802	2139	2143	2145	rBV5	14569	22683	1.24%	0.116%
62	14.942	2162	2166	2169	rBV4	68682	103601	5.66%	0.529%
63	15.052	2178	2184	2189	rVB4	61432	115277	6.30%	0.588%
64	15.137	2194	2198	2204	rVB4	22512	36774	2.01%	0.188%
65	15.204	2206	2209	2213	rBV4	18626	30036	1.64%	0.153%
66	15.332	2227	2230	2235	rVB5	16363	24135	1.32%	0.123%
67	15.601	2268	2274	2278	rVB7	11115	21707	1.19%	0.111%
68	15.674	2278	2286	2291	rBV10	10997	29863	1.63%	0.152%
69	16.485	2411	2419	2428	rBV2	29522	66702	3.65%	0.340%

Sum of corrected areas: 19594719

LSC Report - Integrated Chromatogram

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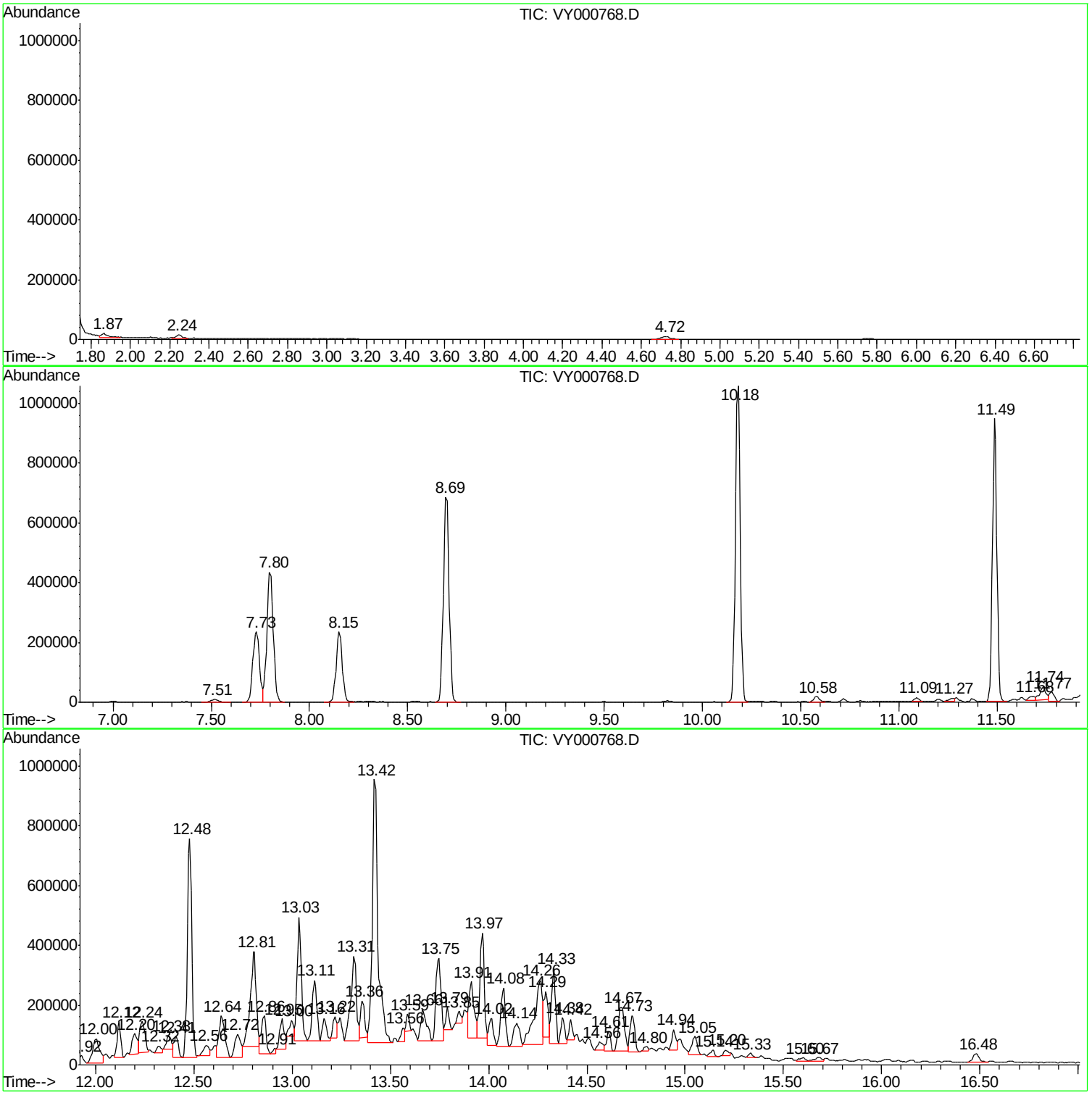
Operator : SY/MD
Sample : K5957-05
Misc : 5.31G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-3-(12.5-14.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112119\
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Quant Title : SW846 8260

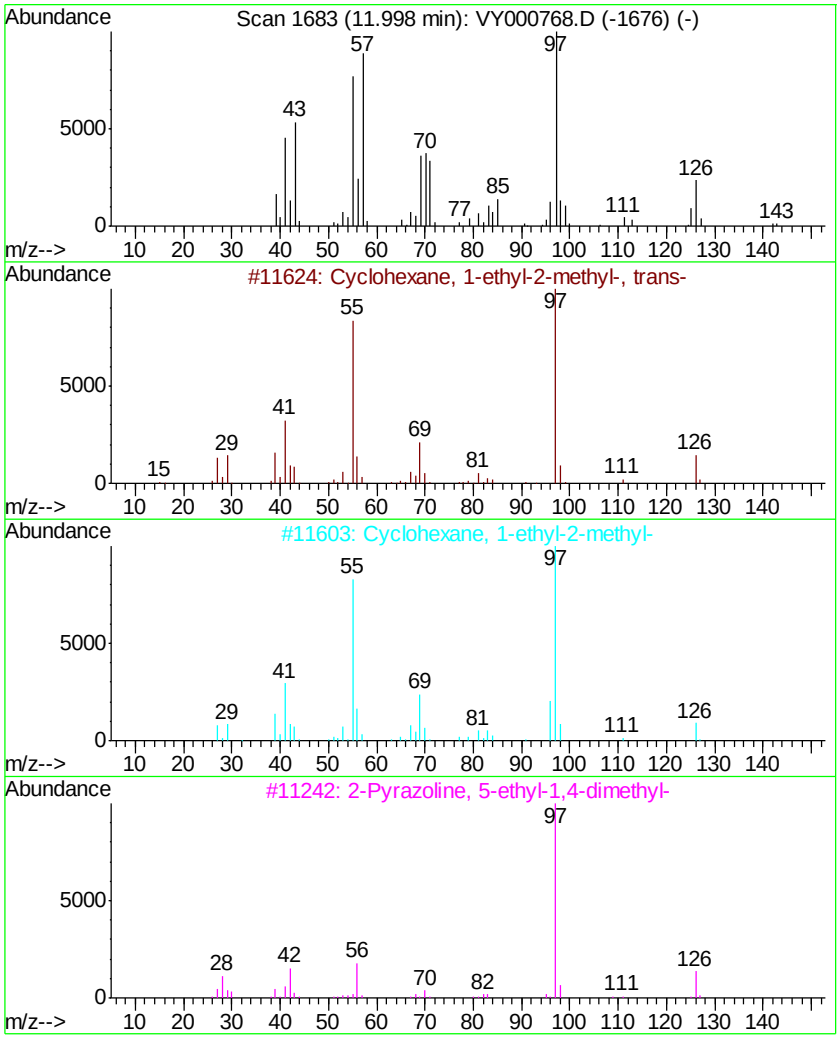
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

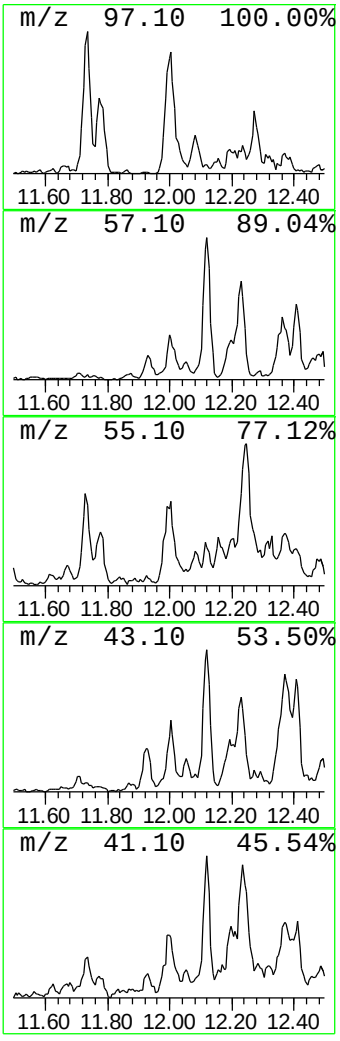
****

Peak Number 1 Cyclohexane, 1-ethyl-2-meth... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	6.79 ug/l	206399	Chlorobenzene-d5	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	50
2	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	45
3	2-Pyrazoline, 5-ethyl-1,4-dimethyl-	126	C7H14N2	014339-23-2	43
4	2-Hexene, 3,4,4-trimethyl-	126	C9H18	053941-19-8	43
5	Nonane, 4-methyl-	142	C10H22	017301-94-9	41





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112119\
Data File : VY000768.D
Acq On : 21 Nov 2019 15:20
Operator : SY/MD
Sample : K5957-05
Misc : 5.31G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-3-(12.5-14.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

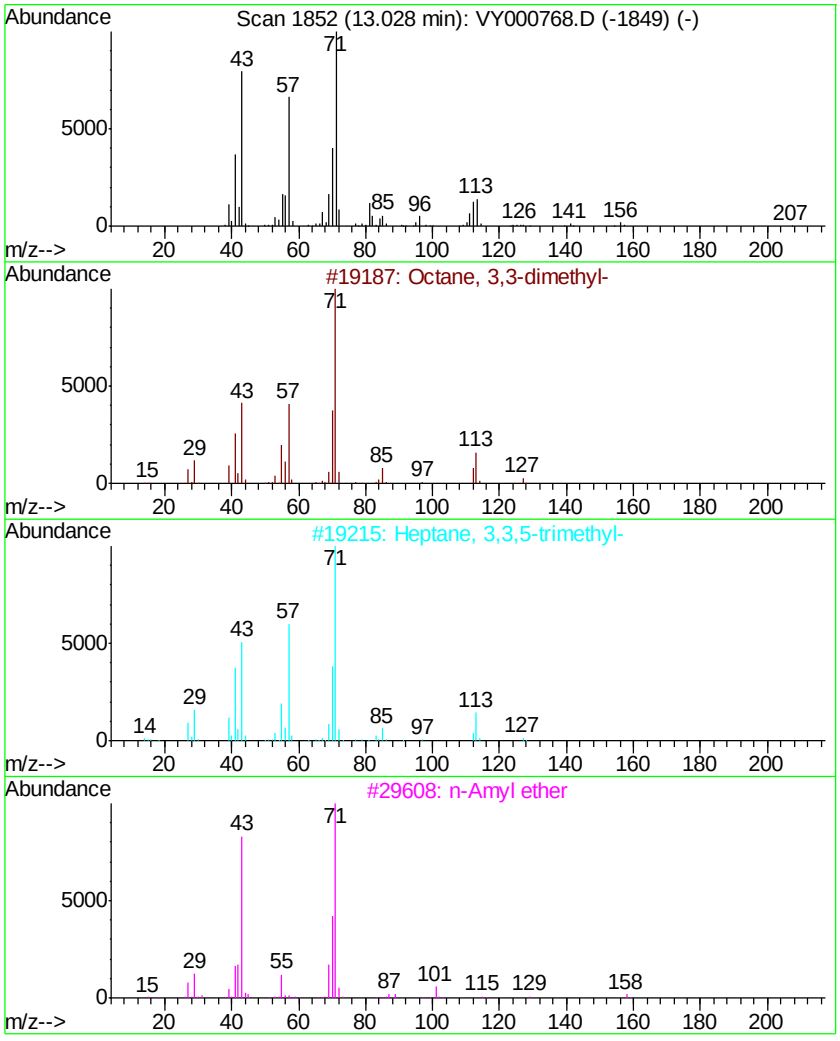
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

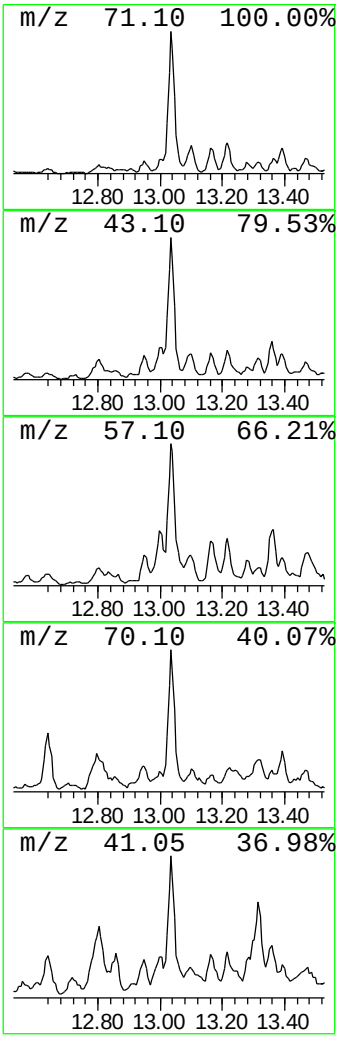
****

Peak Number 3 Octane, 3,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	17.10 ug/l	607669	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	78
2	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
3	n-Amyl ether	158	C10H22O	000693-65-2	53
4	Decane, 4-methyl-	156	C11H24	002847-72-5	50
5	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	43





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112119\
Data File : VY000768.D
Acq On : 21 Nov 2019 15:20
Operator : SY/MD
Sample : K5957-05
Misc : 5.31G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-3-(12.5-14.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

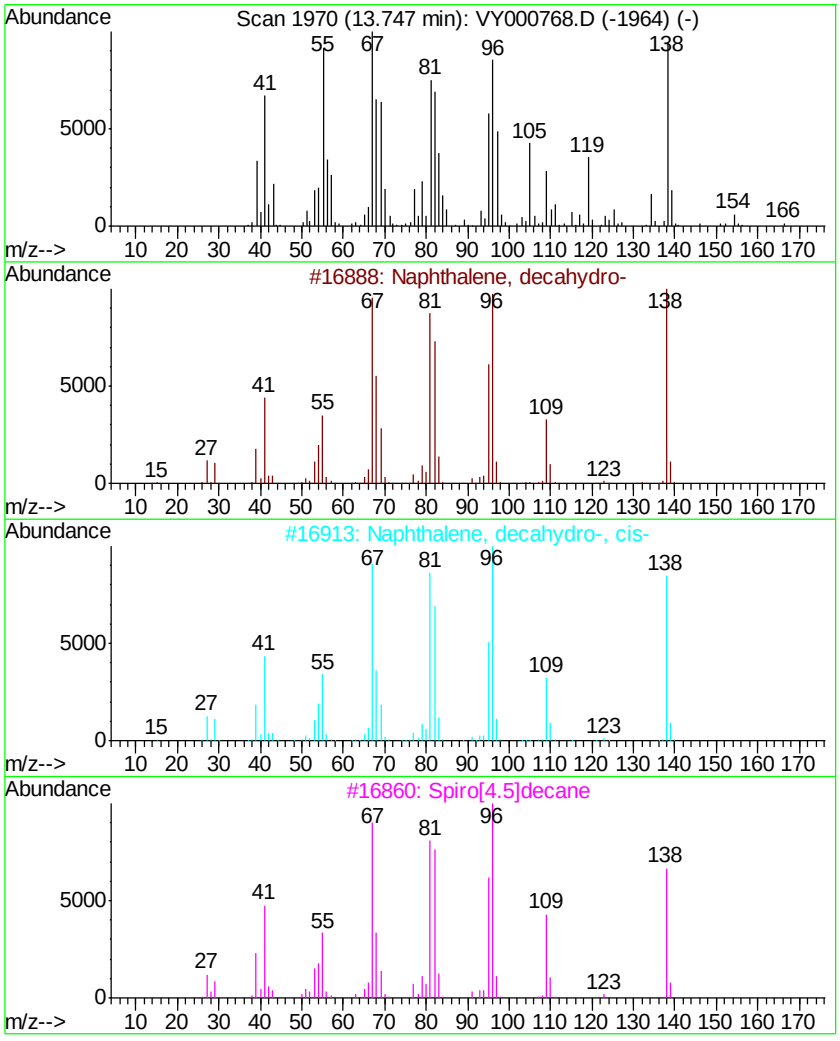
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

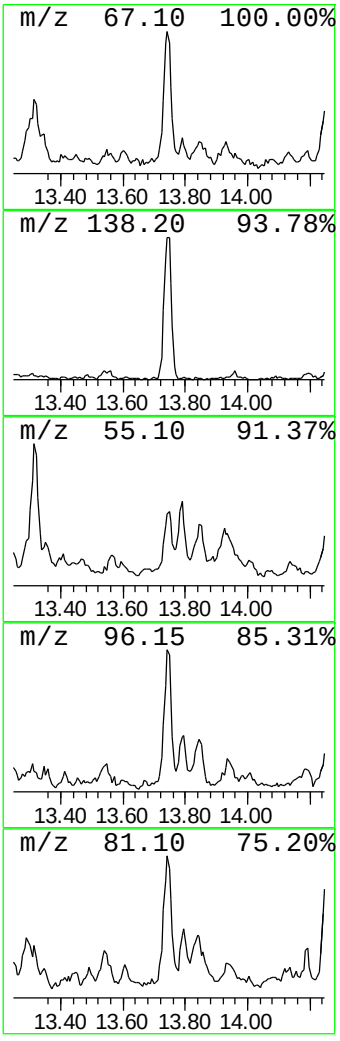
****

Peak Number 4 Naphthalene, decahydro- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	14.22 ug/l	505484	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-	138	C10H18	000091-17-8	98
2	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	95
3	Spiro[4.5]decane	138	C10H18	000176-63-6	93
4	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	90
5	Bicyclo[5.3.0]decane	138	C10H18	005661-80-3	83





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Sample : K5957-05
Misc : 5.31G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-3-(12.5-14.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
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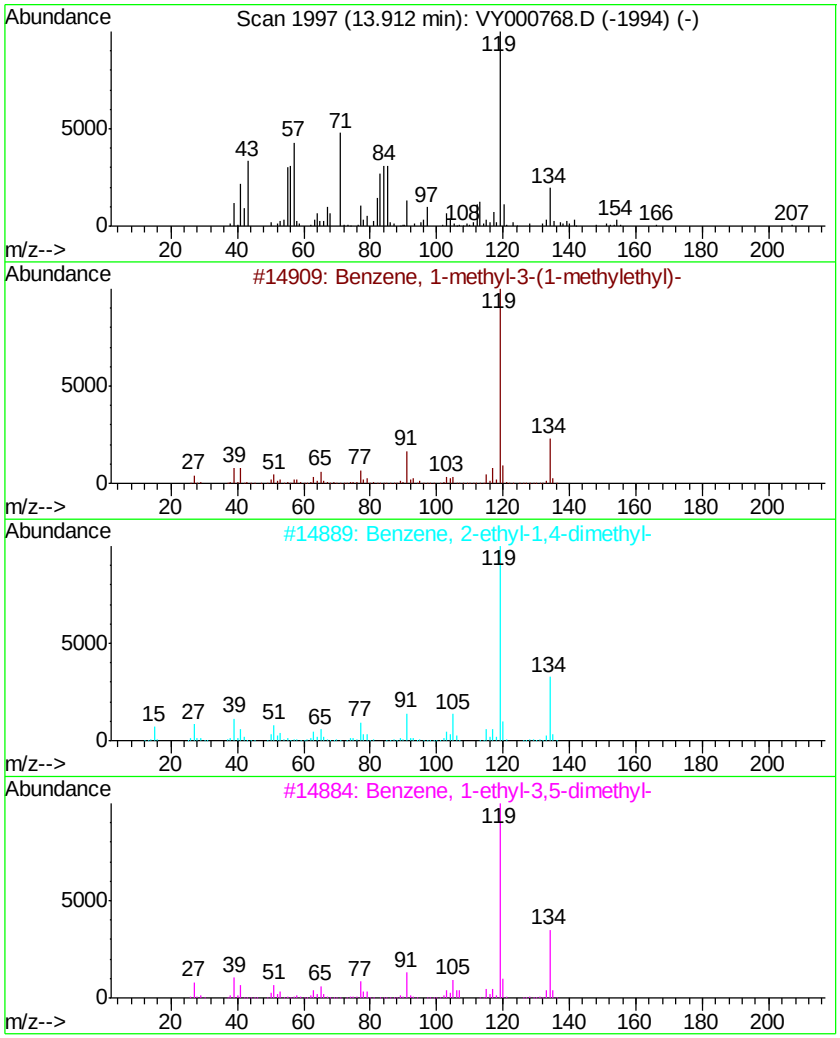
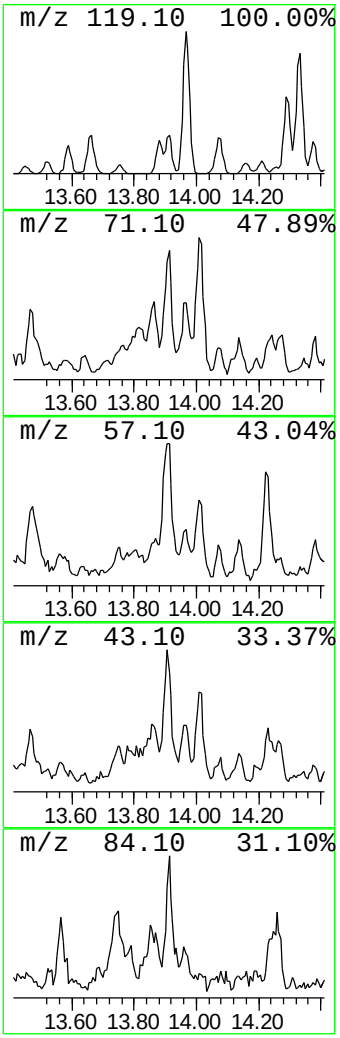
****

Peak Number 5 unknown13.91 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	9.86 ug/l	350573	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	46
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	46
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	46
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	46
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	46





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Sample : K5957-05
Misc : 5.31G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-3-(12.5-14.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

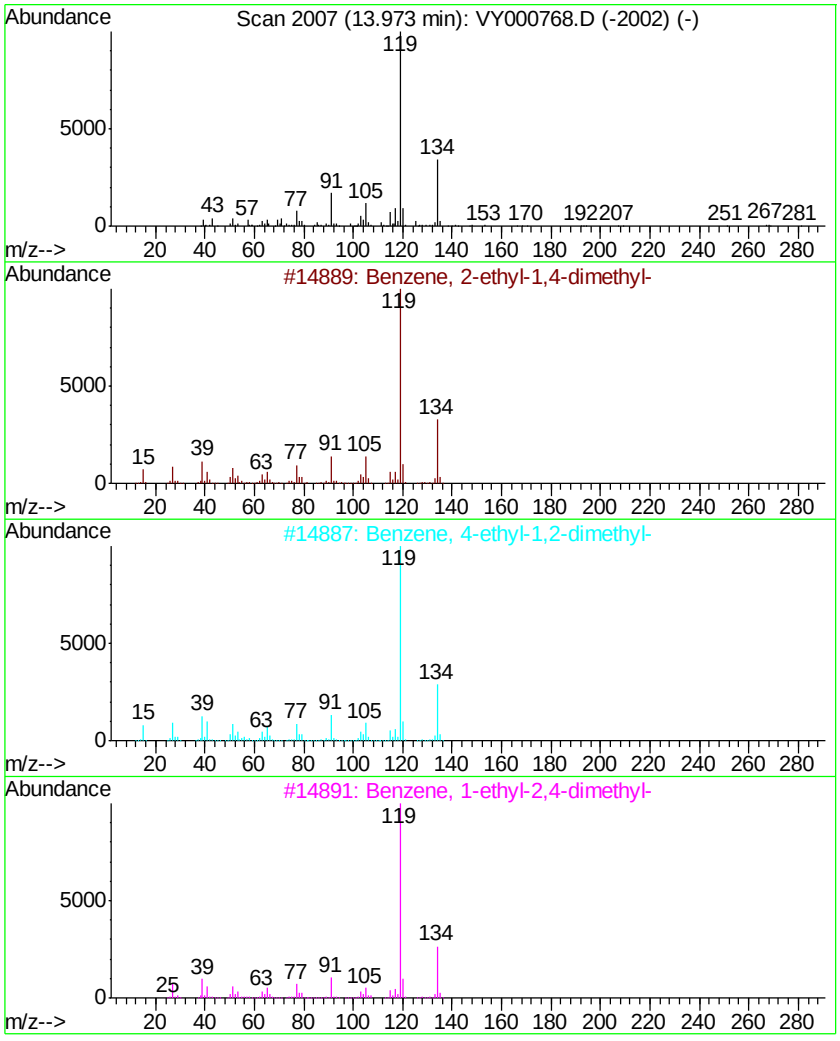
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

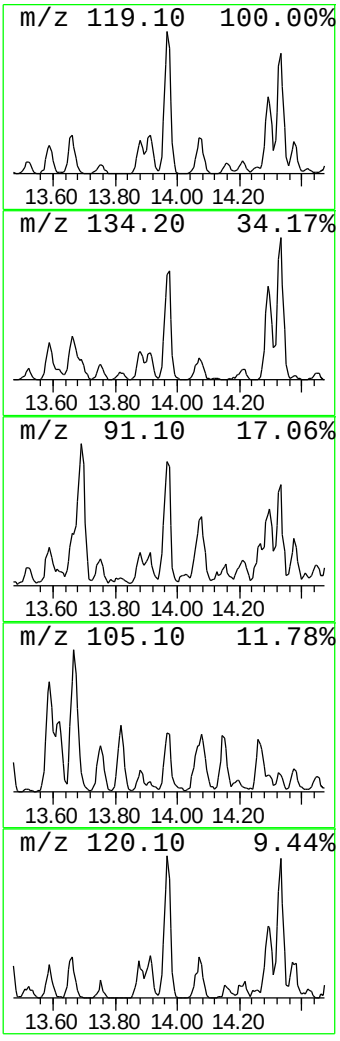
****

Peak Number 6 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	15.01 ug/l	533720	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5	o-Cymene	134	C10H14	000527-84-4	94





Library Search Compound Report

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Misc : 5.31G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-3-(12.5-14.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

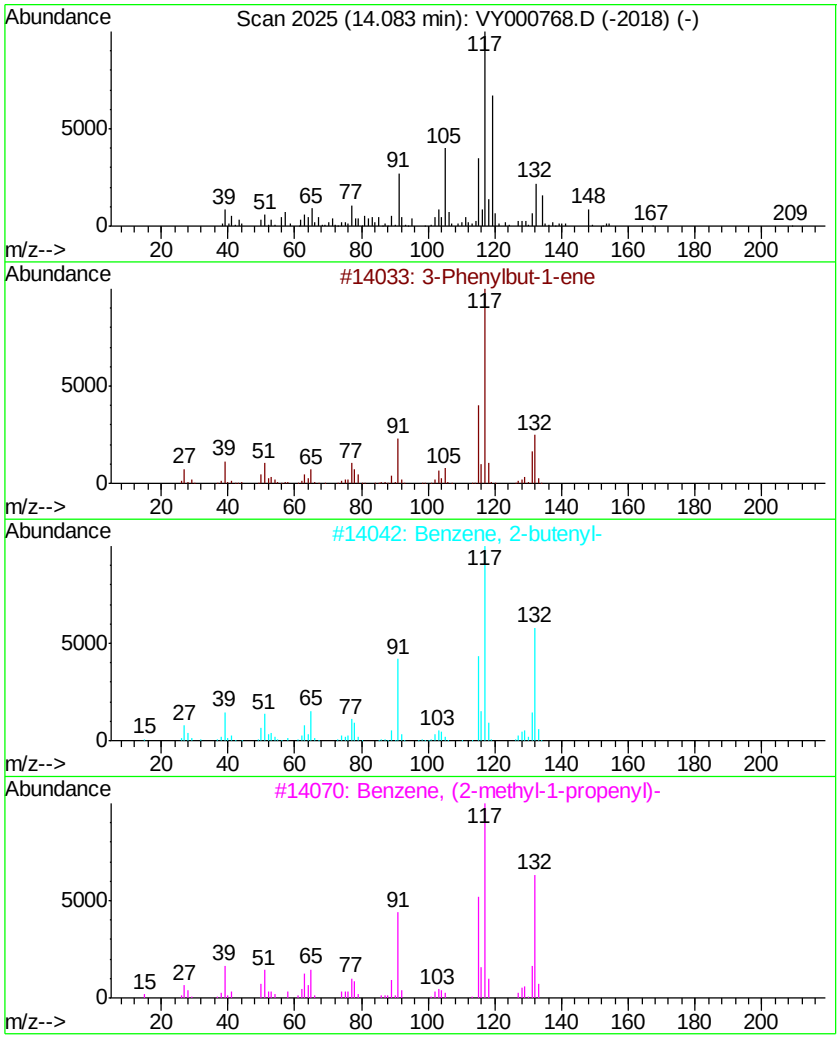
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

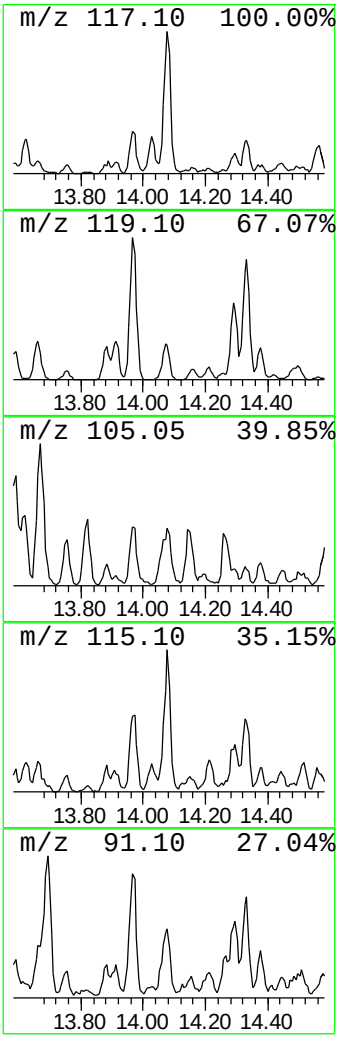
****

Peak Number 7 3-Phenylbut-1-ene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	9.33 ug/l	331746	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	55
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112119\
Data File : VY000768.D
Acq On : 21 Nov 2019 15:20
Operator : SY/MD
Sample : K5957-05
Misc : 5.31G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-3-(12.5-14.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

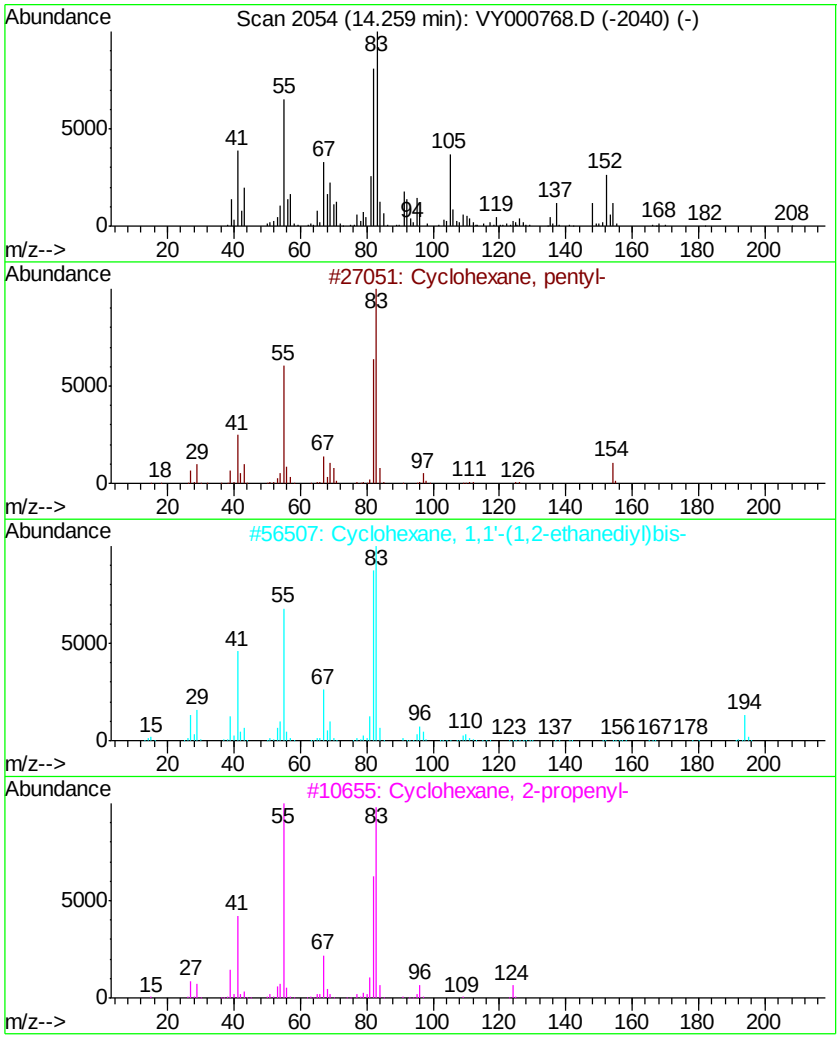
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

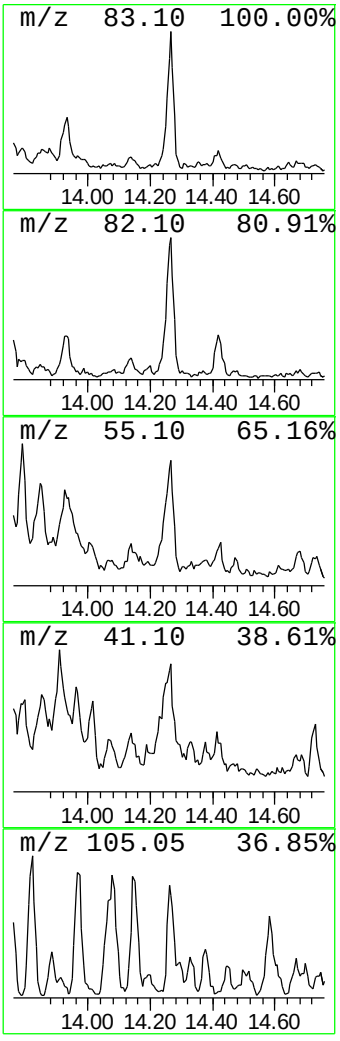
****

Peak Number 8 Cyclohexane, pentyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	17.63 ug/l	626744	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	70
2	Cyclohexane, 1,1'-(1,2-ethanediy...	194	C14H26	003321-50-4	50
3	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	50
4	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	50
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	50





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112119\
Data File : VY000768.D
Acq On : 21 Nov 2019 15:20
Operator : SY/MD
Sample : K5957-05
Misc : 5.31G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-3-(12.5-14.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

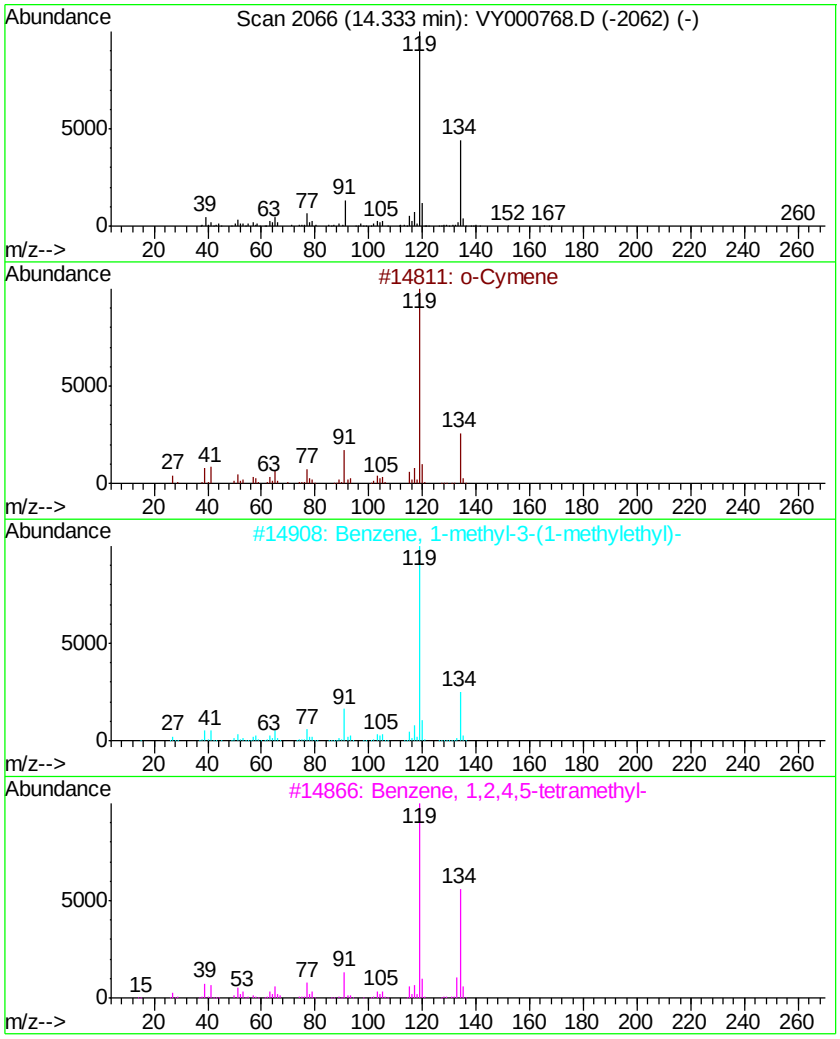
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

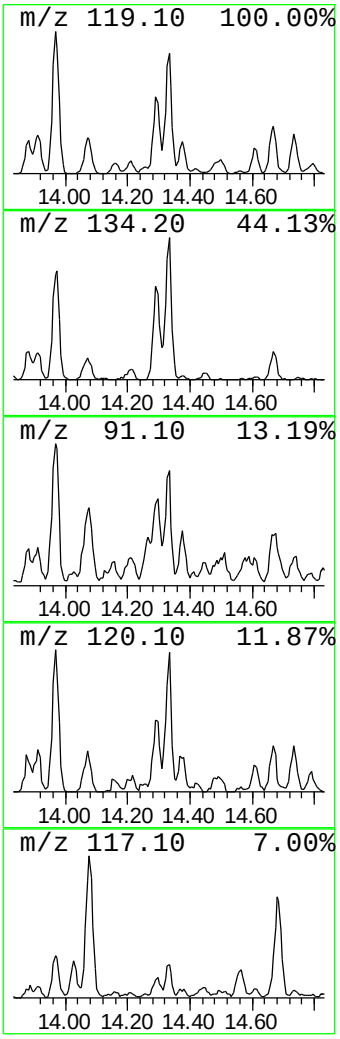
****

Peak Number 9 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	9.76 ug/l	346949	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112119\
Data File : VY000768.D
Acq On : 21 Nov 2019 15:20
Operator : SY/MD
Sample : K5957-05
Misc : 5.31G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-3-(12.5-14.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

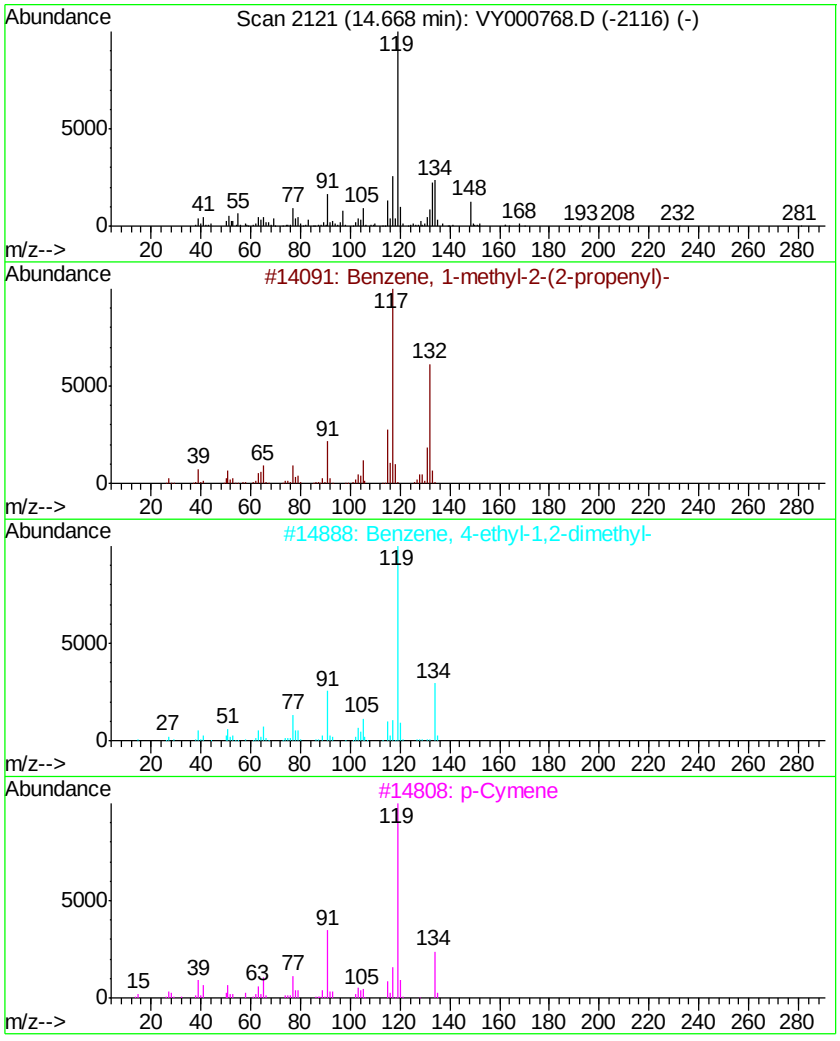
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

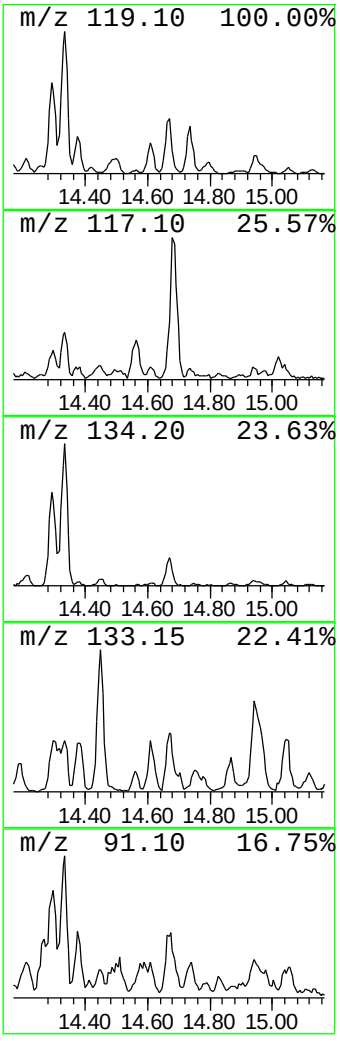
****

Peak Number 10 Benzene, 1-methyl-2-(2-prop... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.67	9.28 ug/l	329803	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	50
3	p-Cymene	134	C10H14	000099-87-6	50
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	47
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY112119\
Data File : VY000768.D
Acq On : 21 Nov 2019 15:20
Operator : SY/MD
Sample : K5957-05
Misc : 5.31G/5ML/MSVOA_Y/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : MW-3-(12.5-14.5)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y103019S.M
Quant Title : SW846 8260

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Cyclohexane, 1-et...	12.00	6.8	ug/l	206399	3	11.49	1519840	50.0
Octane, 3,3-dimet...	13.03	17.1	ug/l	607669	4	13.42	1777330	50.0
Naphthalene, deca...	13.75	14.2	ug/l	505484	4	13.42	1777330	50.0
unknown13.91	13.91	9.9	ug/l	350573	4	13.42	1777330	50.0
Benzene, 2-ethyl-...	13.97	15.0	ug/l	533720	4	13.42	1777330	50.0
3-Phenylbut-1-ene	14.08	9.3	ug/l	331746	4	13.42	1777330	50.0
Cyclohexane, pentyl-	14.26	17.6	ug/l	626744	4	13.42	1777330	50.0
o-Cymene	14.33	9.8	ug/l	346949	4	13.42	1777330	50.0
Benzene, 1-methyl...	14.67	9.3	ug/l	329803	4	13.42	1777330	50.0