LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120919\
Data File : VY000911.D
Acq On : 09 Dec 2019 13:15
Operator : SY/MD
Sample : K6118-01
Misc : 12.32G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SU-02-120619

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\82Y112719S.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	16	21	37	rVB	33831	57293	3.72%	0.381%
2	3.956	357	364	372	rBV2	6770	17506	1.14%	0.116%
3	4.724	479	490	501	rBV3	15885	48255	3.14%	0.321%
4	7.730	972	983	988	rBV	189967	448022	29.11%	2.979%
5	7.797	988	994	1006	rVB	349924	797987	51.85%	5.306%
6	8.150	1042	1052	1064	rBV	194255	430080	27.94%	2.859%
7	8.693	1131	1141	1152	rVB	571554	1121991	72.90%	7.460%
8	10.180	1374	1385	1392	rBV	887440	1539110	100.00%	10.233%
9	10.241	1392	1395	1401	rVB	14557	22927	1.49%	0.152%
10	11.485	1591	1599	1610	rBV	810060	1293146	84.02%	8.598%
11	11.692	1626	1633	1642	rBV2	20084	42922	2.79%	0.285%
12	12.028	1679	1688	1695	rVB2	26626	49215	3.20%	0.327%
13	12.479	1754	1762	1772	rBV	576152	914978	59.45%	6.083%
14	12.668	1785	1793	1798	rBV	16493	29587	1.92%	0.197%
15	12.729	1798	1803	1806	rVV	56957	90163	5.86%	0.599%
16	12.759	1806	1808	1812	rVV	31472	44529	2.89%	0.296%
17	12.808	1812	1816	1821	rVB	57512	84982	5.52%	0.565%
18	12.967	1837	1842	1848	rVV	52848	85972	5.59%	0.572%
19	13.113	1861	1866	1871	rBV	144913	212331	13.80%	1.412%
20	13.247	1881	1888	1893	rBV2	18104	32597	2.12%	0.217%
21	13.308	1893	1898	1903	rVV	32409	50943	3.31%	0.339%
22	13.363	1903	1907	1910	rVV2	16658	22219	1.44%	0.148%
23	13.418	1910	1916	1927	rVB2	765556	1279108	83.11%	8.504%
24	13.588	1939	1944	1945	rBV2	30916	40112	2.61%	0.267%
25	13.619	1945	1949	1953	rVV	160533	258099	16.77%	1.716%
26	13.662	1953	1956	1965	rVB3	108001	219099	14.24%	1.457%
27	13.747	1965	1970	1975	rVB3	41082	63506	4.13%	0.422%
28	13.820	1975	1982	1987	rBV	57805	95442	6.20%	0.635%
29	13.881	1987	1992	1994	rBV2	68653	100799	6.55%	0.670%
30	13.911	1994	1997	2001	rVB	69942	98907	6.43%	0.658%
31	13.966	2001	2006	2011	rVB2	121933	172699	11.22%	1.148%
32	14.027	2011	2016	2019	rBV3	27778	43552	2.83%	0.290%
33	14.076	2019	2024	2029	rVB	133748	213243	13.85%	1.418%
34	14.210	2040	2046	2050	rBV2	45898	68147	4.43%	0.453%

LSC Area Percent Report

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Acq On : 09 Dec 2019 13:15
Operator : SY/MD
Sample : K6118-01
Misc : 12.32G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SU-02-120619

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\82Y112719S.M
Title : SW846 8260

35	14.253	2050	2053	2055	rVV4	14597	19072	1.24%	0.127%
36	14.289	2055	2059	2062	rVV	66757	94026	6.11%	0.625%
37	14.332	2062	2066	2070	rVB	100832	138353	8.99%	0.920%
38	14.375	2070	2073	2077	rBV	56118	71852	4.67%	0.478%
39	14.417	2077	2080	2083	rVV	39539	47626	3.09%	0.317%
40	14.478	2087	2090	2091	rBV3	13203	15396	1.00%	0.102%
41	14.515	2091	2096	2100	rVV2	62458	103678	6.74%	0.689%
42	14.564	2100	2104	2109	rVV2	129482	256403	16.66%	1.705%
43	14.606	2109	2111	2116	rVB2	78181	99182	6.44%	0.659%
44	14.680	2116	2123	2129	rBV3	259390	572349	37.19%	3.805%
45	14.735	2129	2132	2137	rVB2	41322	62578	4.07%	0.416%
46	14.826	2142	2147	2153	rVV	204465	318246	20.68%	2.116%
47	14.899	2155	2159	2160	rVV4	37843	44147	2.87%	0.294%
48	14.942	2161	2166	2169	rVV4	104967	212975	13.84%	1.416%
49	14.978	2169	2172	2176	rVV	71701	120415	7.82%	0.801%
50	15.052	2178	2184	2191	rVB	107659	236077	15.34%	1.570%
51	15.228	2203	2213	2218	rBV5	45870	126814	8.24%	0.843%
52	15.289	2218	2223	2227	rBV	120872	191051	12.41%	1.270%
53	15.344	2227	2232	2235	rBV5	74705	152370	9.90%	1.013%
54	15.423	2243	2245	2254	rVB4	43207	73010	4.74%	0.485%
55	15.515	2254	2260	2267	rBV3	88626	178707	11.61%	1.188%
56	15.594	2267	2273	2278	rVV4	13476	28136	1.83%	0.187%
57	15.686	2278	2288	2289	rVV3	65288	137177	8.91%	0.912%
58	15.722	2289	2294	2303	rVV	247340	455699	29.61%	3.030%
59	15.814	2303	2309	2314	rVV5	28631	61731	4.01%	0.410%
60	15.881	2314	2320	2334	rVB3	61517	177541	11.54%	1.180%
61	16.027	2336	2344	2351	rBV	126382	262947	17.08%	1.748%
62	16.222	2367	2376	2382	rBV3	125886	276489	17.96%	1.838%
63	16.289	2382	2387	2401	rVB3	65610	162188	10.54%	1.078%
64	16.484	2412	2419	2424	rBV6	42856	111909	7.27%	0.744%
65	16.539	2426	2428	2434	rVV4	26282	39441	2.56%	0.262%
66	16.618	2434	2441	2450	rVB3	32733	85644	5.56%	0.569%
67	16.813	2467	2473	2474	rBV5	11059	17884	1.16%	0.119%

Sum of corrected areas: 15040581

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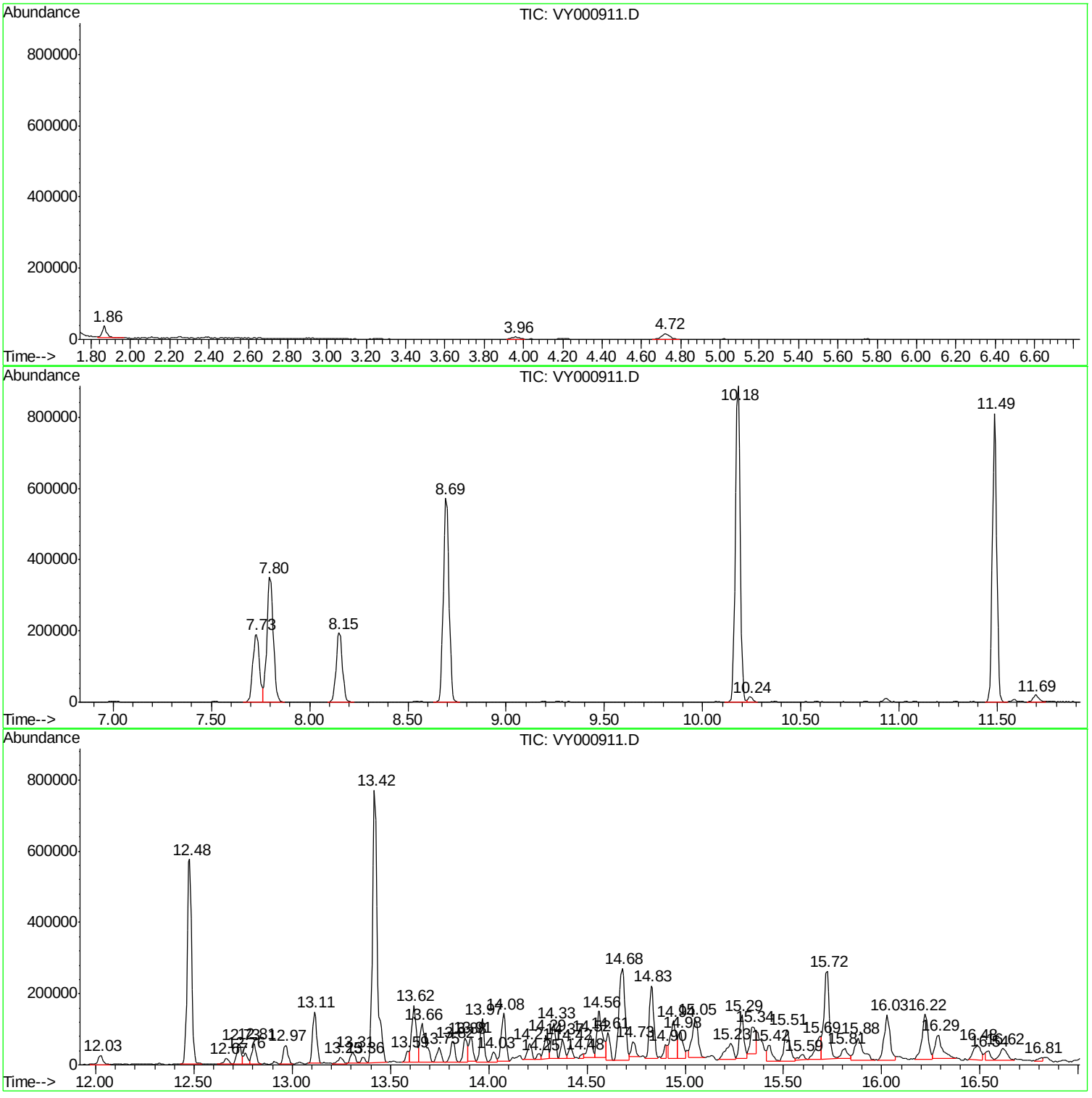
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SU-02-120619

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120919\
Data File : VY000911.D
Acq On : 09 Dec 2019 13:15
Operator : SY/MD
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Quant Title : SW846 8260

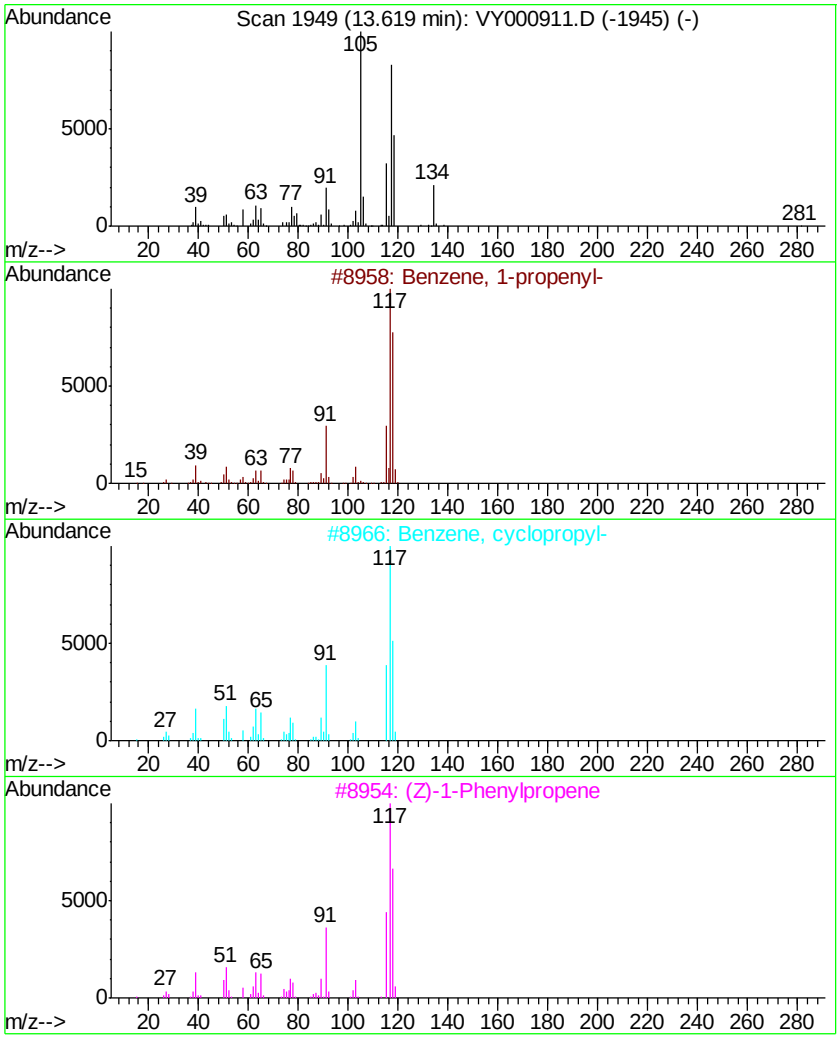
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

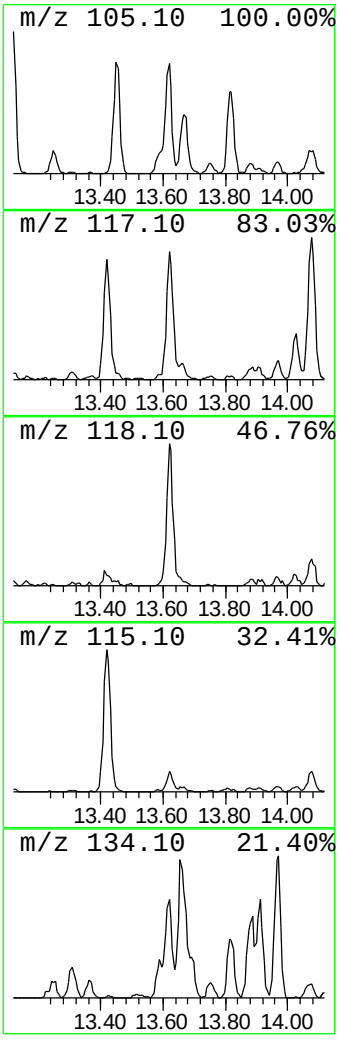
****

Peak Number 1 Benzene, 1-propenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	10.09 ug/l	258099	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	60
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	60
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	58
5	Indane	118	C9H10	000496-11-7	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120919\
Data File : VY000911.D
Acq On : 09 Dec 2019 13:15
Operator : SY/MD
Sample : K6118-01
Misc : 12.32G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SU-02-120619

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

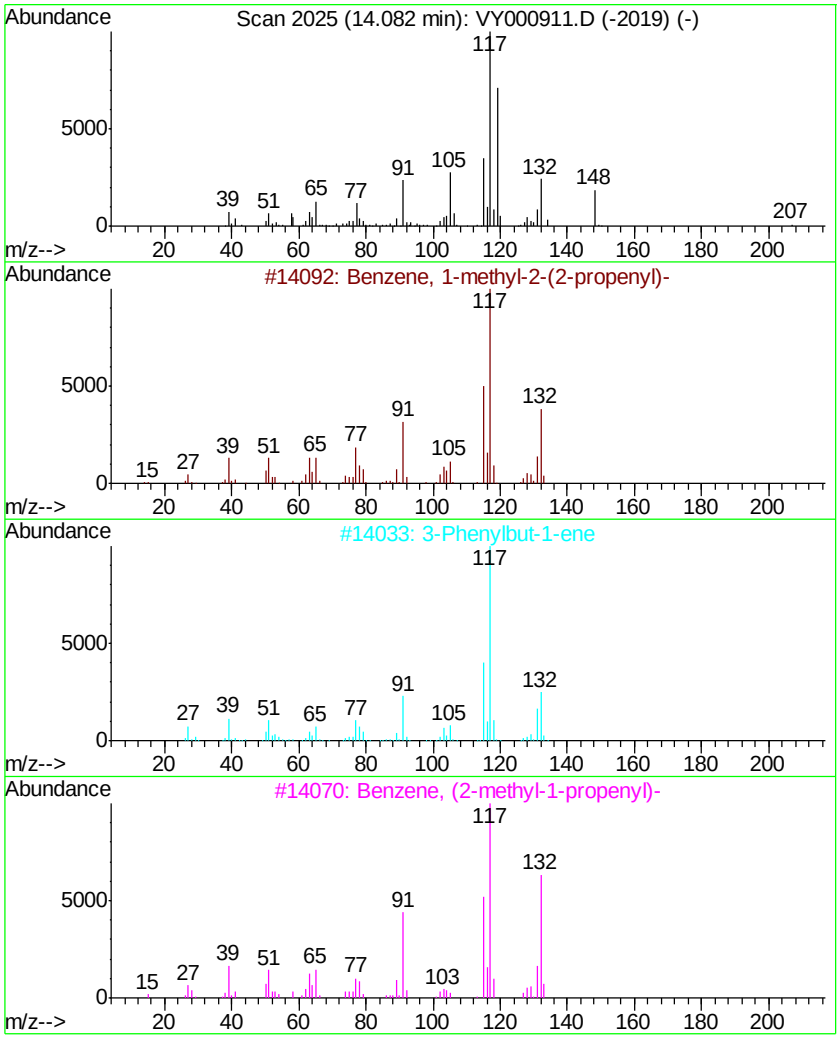
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

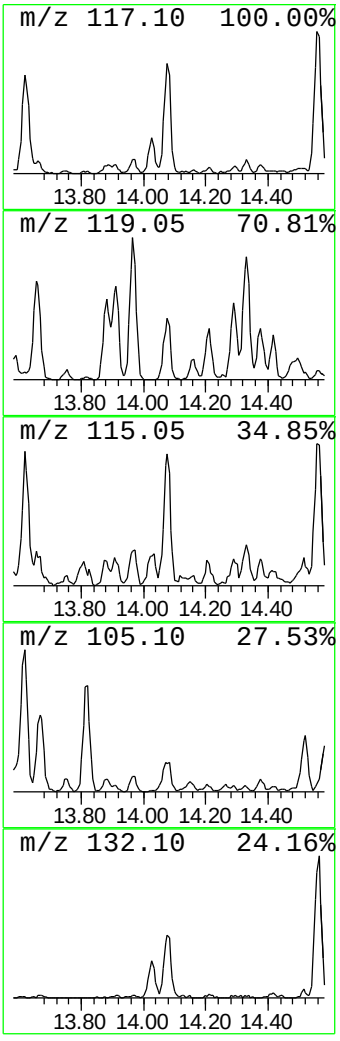
****

Peak Number 2 Benzene, 1-methyl-2-(2-prop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.08	8.34 ug/l	213243	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	86
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	64
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	64
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	64
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120919\
Data File : VY000911.D
Acq On : 09 Dec 2019 13:15
Operator : SY/MD
Sample : K6118-01
Misc : 12.32G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SU-02-120619

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

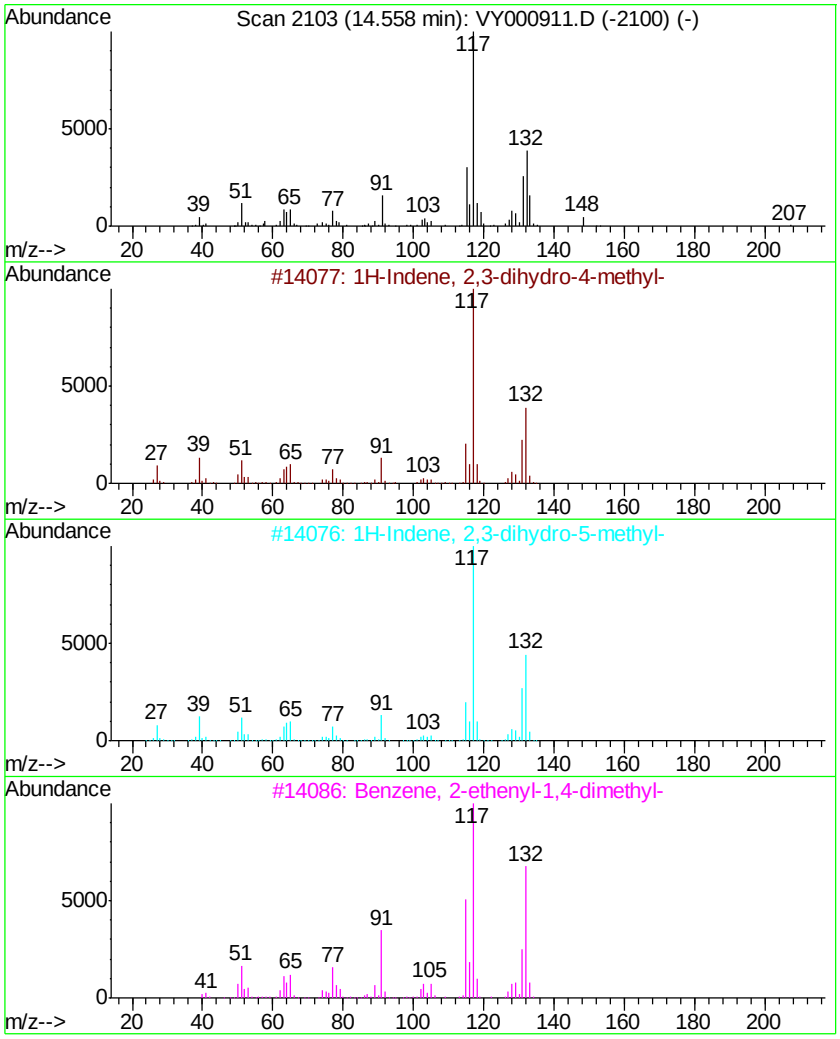
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

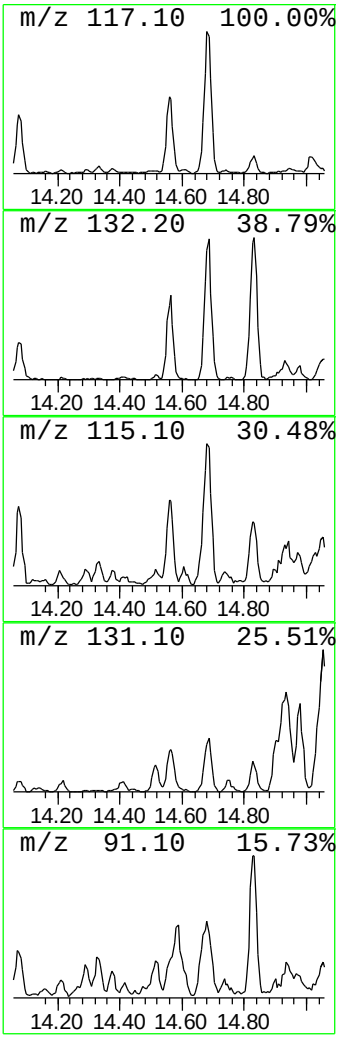
****

Peak Number 3 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	10.02 ug/l	256403	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	91
3	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
4	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	86





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120919\
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Misc : 12.32G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SU-02-120619

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

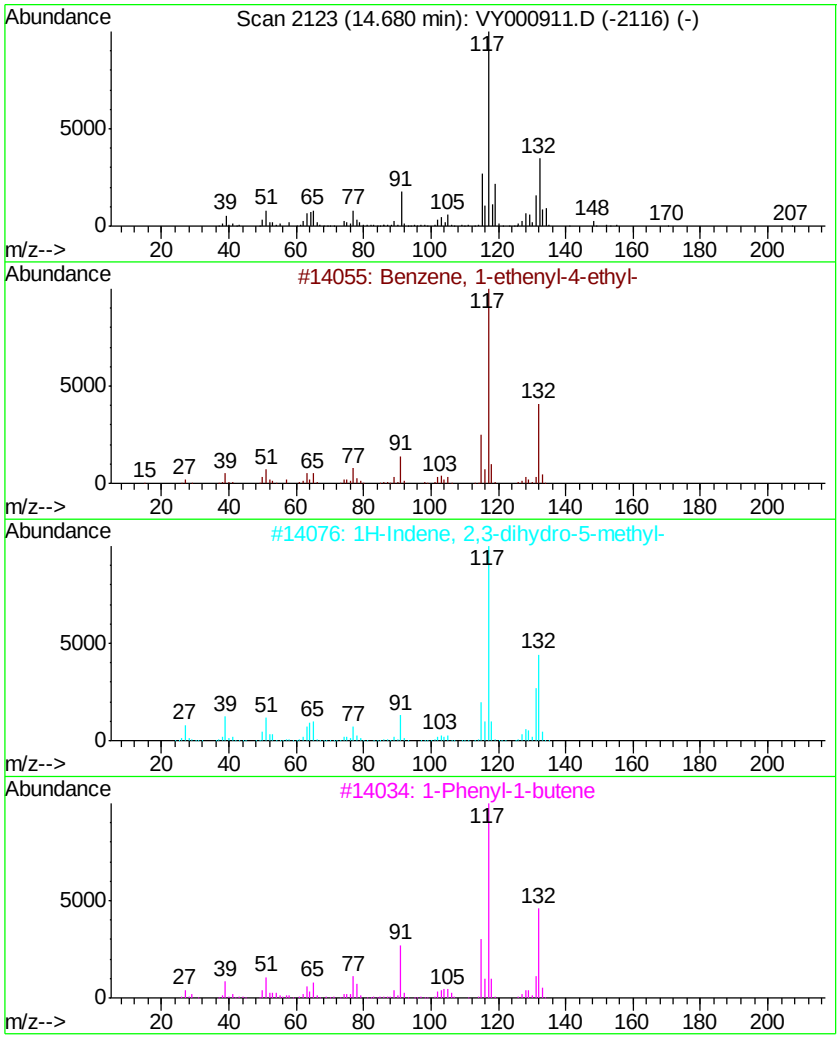
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

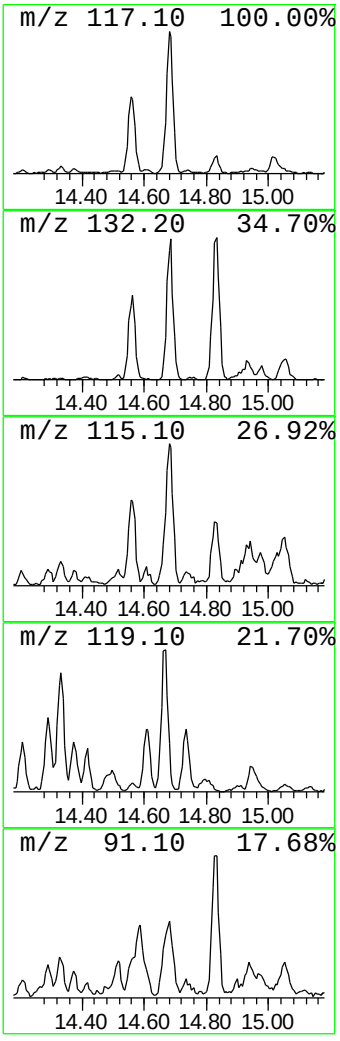
****

Peak Number 4 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	22.37 ug/l	572349	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
5	Indan, 1-methyl-	132	C10H12	000767-58-8	81





Library Search Compound Report

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Misc : 12.32G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SU-02-120619

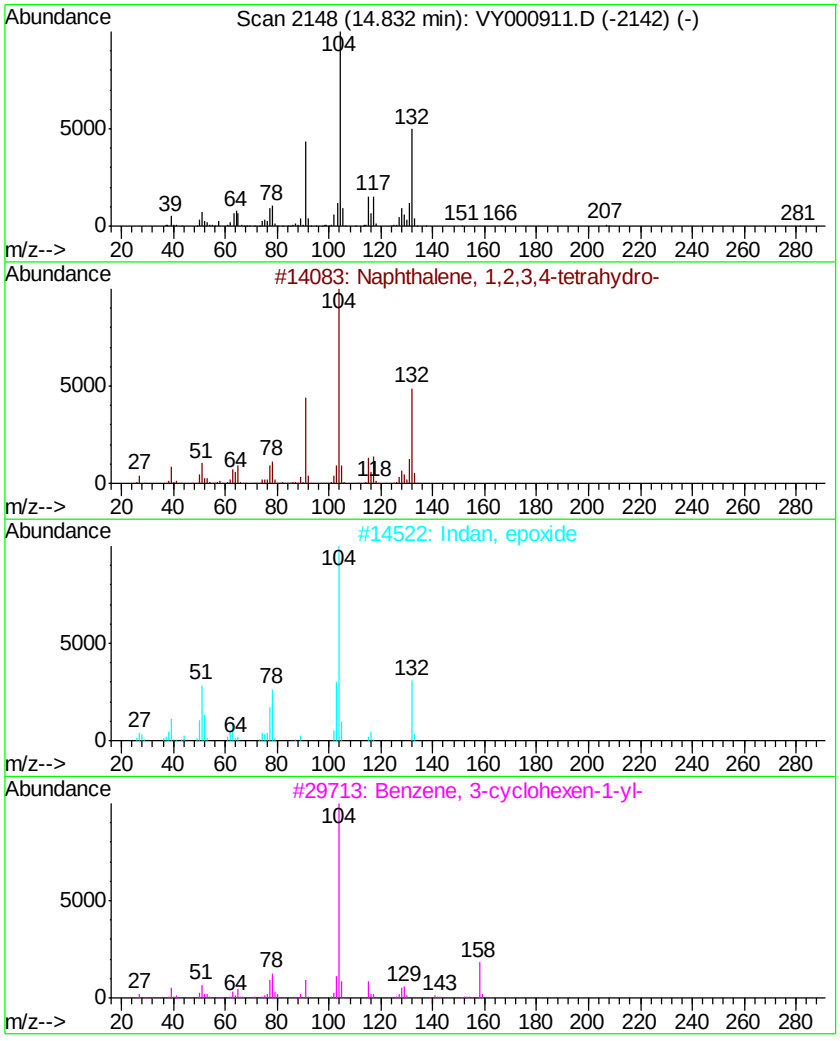
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

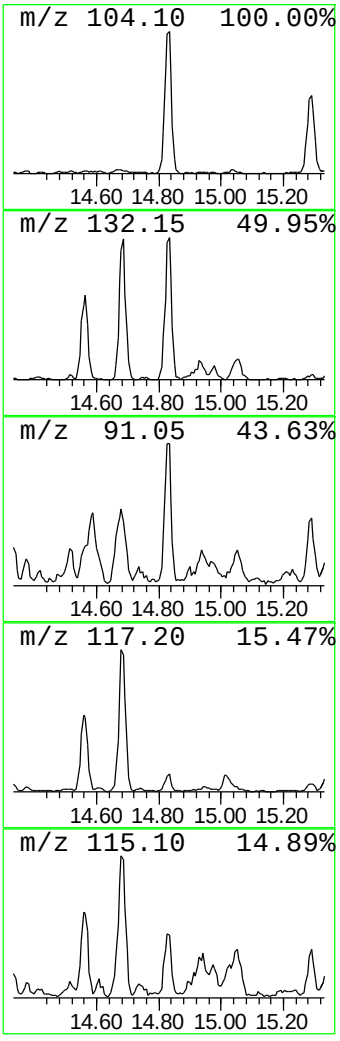
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	12.44 ug/l	318246	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	97
2	Indan, epoxide	132	C9H8O	000768-22-9	58
3	Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	47
4	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	007694-30-6	43
5	Benzene, 1,1'-(1,2-cyclobutanedi...	208	C16H16	020071-09-4	38





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ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SU-02-120619

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

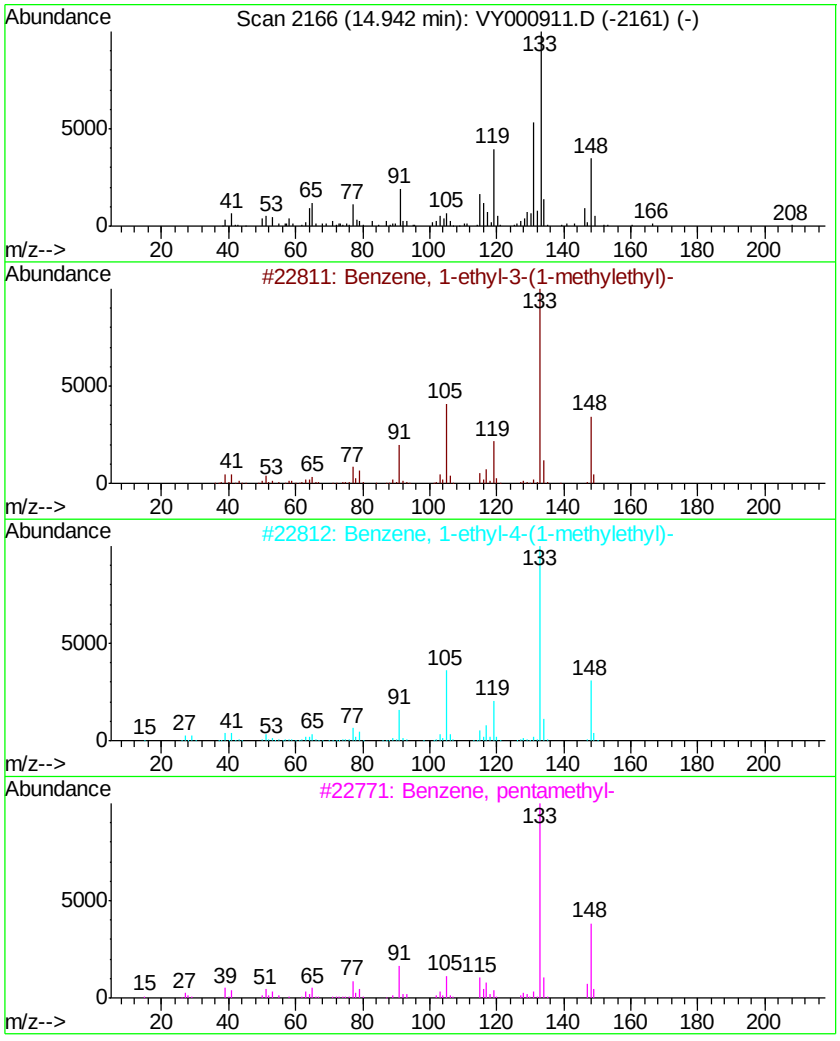
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

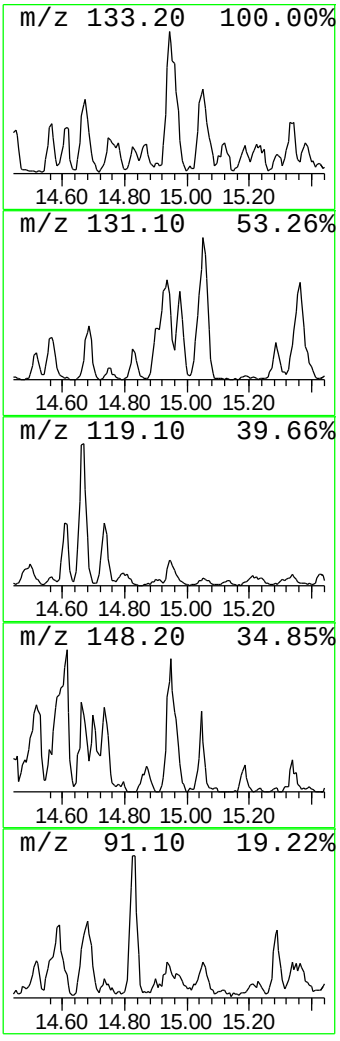
****

Peak Number 6 Benzene, 1-ethyl-3-(1-methy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	8.33 ug/l	212975	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	53
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	49
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	46
4	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	46
5	3,4-Dimethylcumene	148	C11H16	1000370-34-1	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120919\
Data File : VY000911.D
Acq On : 09 Dec 2019 13:15
Operator : SY/MD
Sample : K6118-01
Misc : 12.32G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SU-02-120619

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

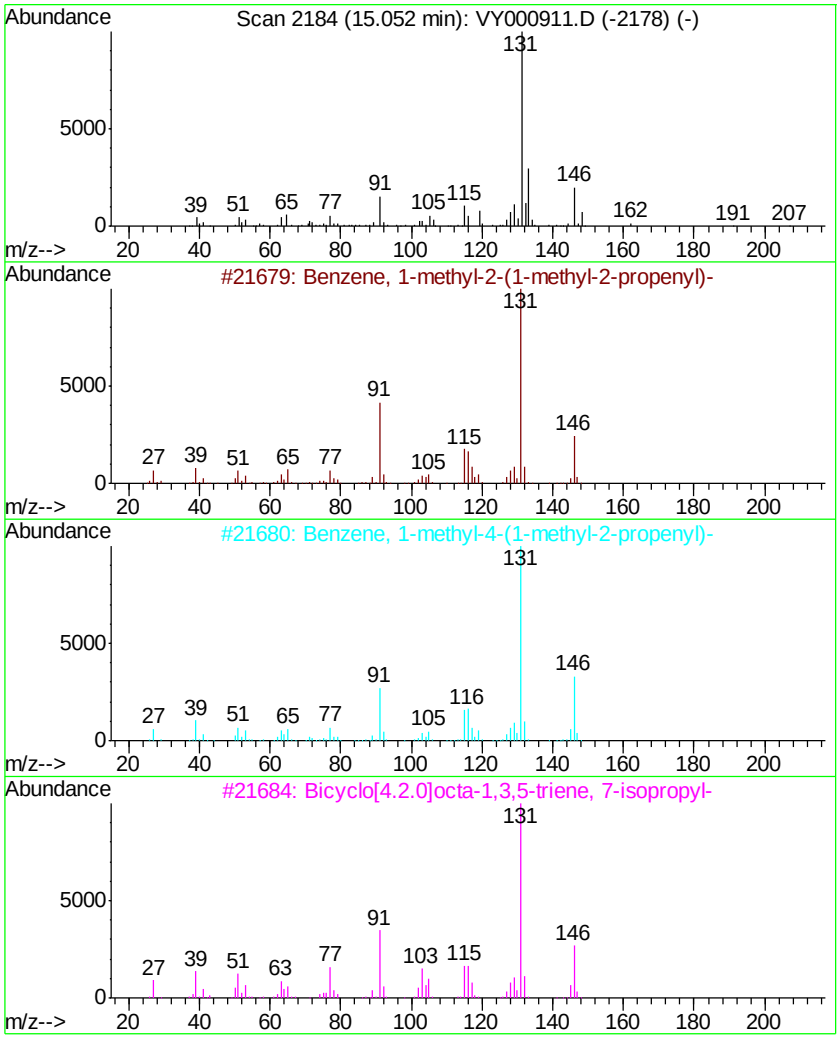
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

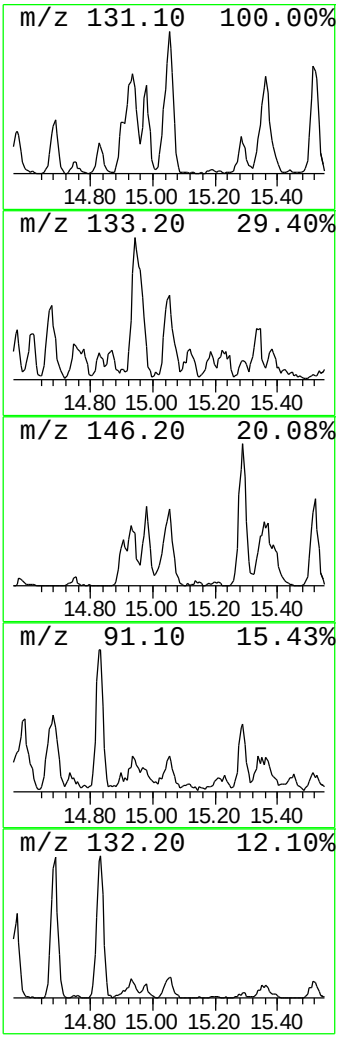
****

Peak Number 7 Benzene, 1-methyl-2-(1-meth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	9.23 ug/l	236077	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	72
2	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	72
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	68
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	68
5	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	68





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Acq On : 09 Dec 2019 13:15
Operator : SY/MD
Sample : K6118-01
Misc : 12.32G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SU-02-120619

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

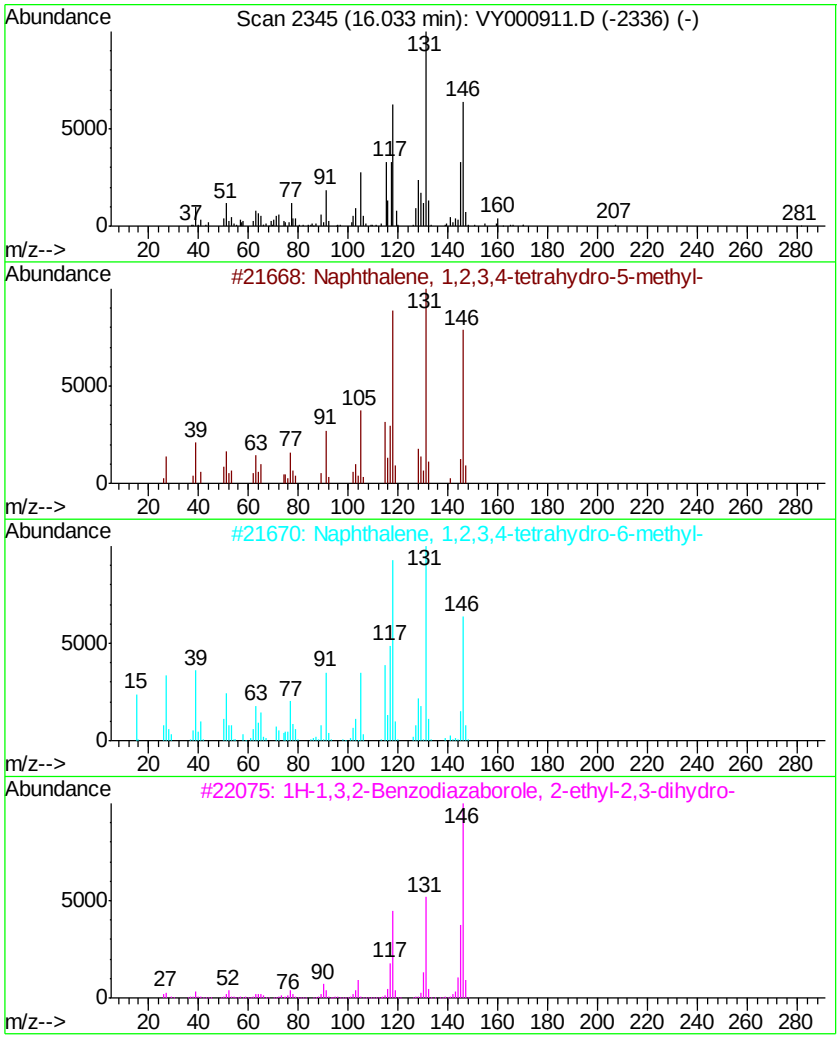
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

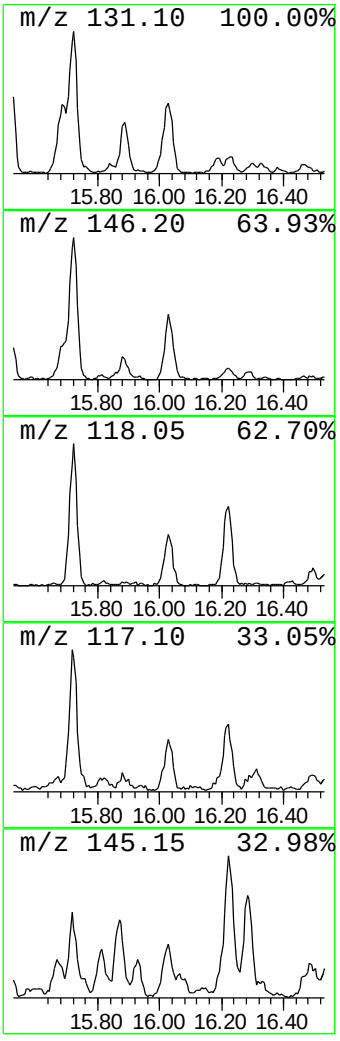
****

Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	10.28 ug/l	262947	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	95
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	93
3	1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	76
4	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
5	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	62





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120919\
Data File : VY000911.D
Acq On : 09 Dec 2019 13:15
Operator : SY/MD
Sample : K6118-01
Misc : 12.32G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SU-02-120619

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

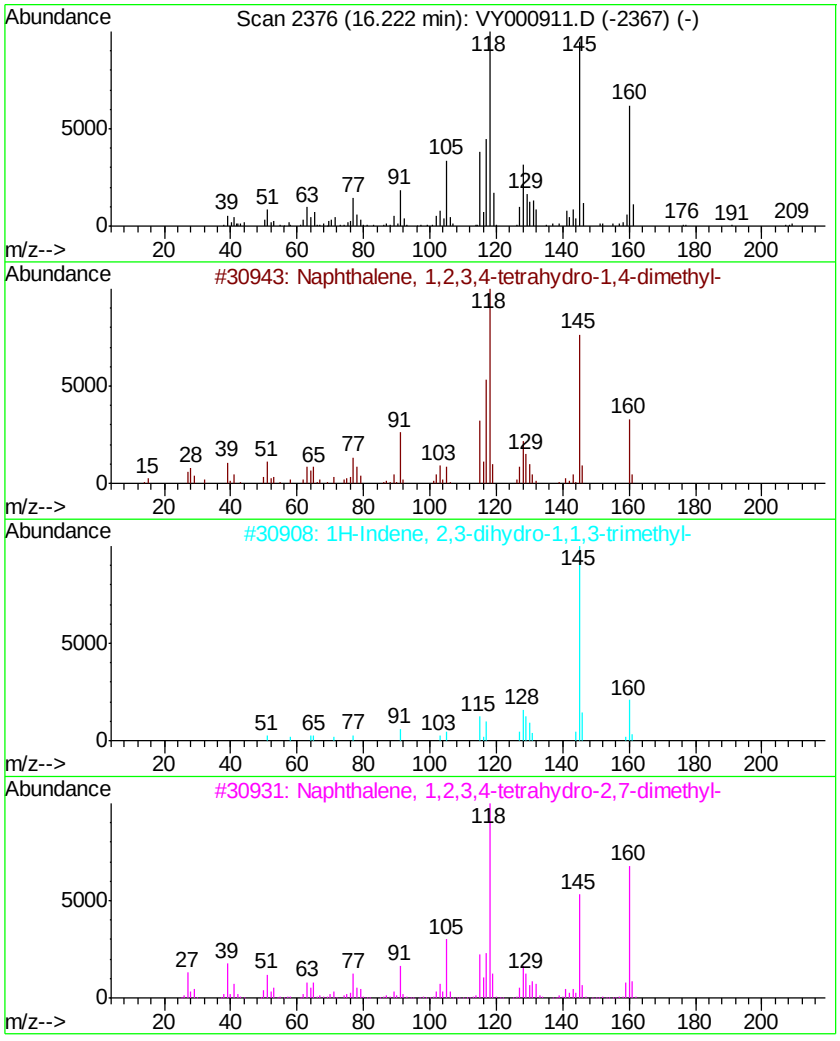
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

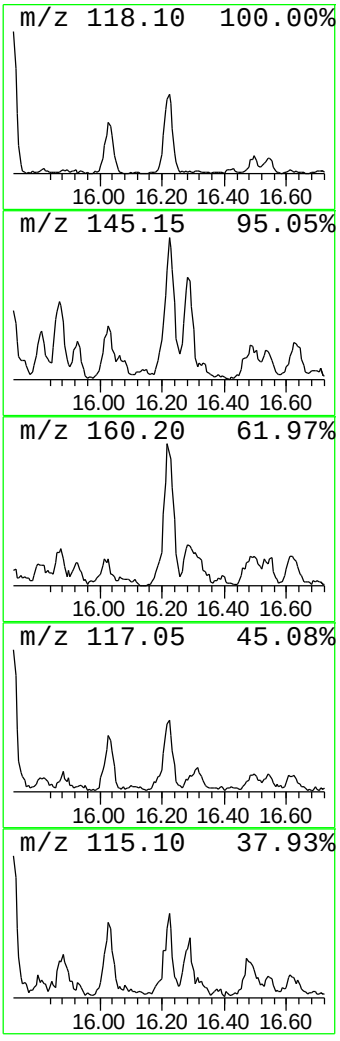
****

Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	10.81 ug/l	276489	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	94
2	1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	91
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	87
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	64
5	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120919\
Data File : VY000911.D
Acq On : 09 Dec 2019 13:15
Operator : SY/MD
Sample : K6118-01
Misc : 12.32G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : SU-02-120619

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.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
Benzene, 1-propenyl-	13.62	10.1	ug/l	258099	4	13.42	1279110	50.0
Benzene, 1-methyl...	14.08	8.3	ug/l	213243	4	13.42	1279110	50.0
1H-Indene, 2,3-di...	14.56	10.0	ug/l	256403	4	13.42	1279110	50.0
Benzene, 1-etheny...	14.68	22.4	ug/l	572349	4	13.42	1279110	50.0
Naphthalene, 1,2,...	14.83	12.4	ug/l	318246	4	13.42	1279110	50.0
Benzene, 1-ethyl-...	14.94	8.3	ug/l	212975	4	13.42	1279110	50.0
Benzene, 1-methyl...	15.05	9.2	ug/l	236077	4	13.42	1279110	50.0
Naphthalene, 1,2,...	16.03	10.3	ug/l	262947	4	13.42	1279110	50.0
Naphthalene, 1,2,...	16.22	10.8	ug/l	276489	4	13.42	1279110	50.0