LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
Data File : VW007094.D
Acq On : 27 Nov 2018 18:02
Operator : VAY/AP
Sample : J6074-01
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 001-WC-NY5

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_W\METHOD\82W112118S.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	3.032	179	185	191	rVB3	2860	5921	1.03%	0.103%
2	3.690	284	293	300	rBV4	2450	5833	1.01%	0.101%
3	4.928	481	496	505	rBV2	33024	108758	18.83%	1.887%
4	5.019	507	511	523	rVB2	6758	18665	3.23%	0.324%
5	5.952	652	664	672	rVB4	4161	11772	2.04%	0.204%
6	7.890	970	982	987	rBV	71736	175061	30.31%	3.037%
7	7.951	987	992	1002	rVV	153764	338087	58.53%	5.865%
8	8.311	1042	1051	1061	rBV2	77201	175341	30.35%	3.042%
9	8.488	1066	1080	1091	rVB3	6529	18712	3.24%	0.325%
10	8.848	1129	1139	1153	rVB	211611	423804	73.37%	7.352%
11	9.335	1207	1219	1224	rBV3	4564	10630	1.84%	0.184%
12	9.762	1281	1289	1298	rVB2	6651	13493	2.34%	0.234%
13	9.896	1306	1311	1318	rVV3	8570	17023	2.95%	0.295%
14	9.963	1318	1322	1332	rVB7	2222	5823	1.01%	0.101%
15	10.256	1365	1370	1374	rVB2	6323	10452	1.81%	0.181%
16	10.329	1374	1382	1387	rVV	318417	577636	100.00%	10.020%
17	10.390	1387	1392	1404	rVV	113473	198307	34.33%	3.440%
18	10.506	1404	1411	1417	rVB10	4438	9209	1.59%	0.160%
19	10.713	1438	1445	1448	rBV	14460	31965	5.53%	0.554%
20	11.414	1552	1560	1566	rBV5	3759	9280	1.61%	0.161%
21	11.512	1571	1576	1580	rBV2	3360	6195	1.07%	0.107%
22	11.634	1589	1596	1603	rBV	276456	466695	80.79%	8.096%
23	11.731	1606	1612	1620	rVB	40459	68727	11.90%	1.192%
24	11.841	1620	1630	1641	rBV	140209	270524	46.83%	4.693%
25	12.170	1675	1684	1691	rVB	63682	105999	18.35%	1.839%
26	12.469	1723	1733	1741	rBV4	6664	20263	3.51%	0.352%
27	12.621	1751	1758	1768	rVB	217168	368408	63.78%	6.391%
28	12.810	1783	1789	1793	rBV	20192	31214	5.40%	0.541%
29	12.871	1793	1799	1802	rVV	83347	137353	23.78%	2.383%
30	12.902	1802	1804	1808	rVV	48476	79438	13.75%	1.378%
31	12.944	1808	1811	1830	rVB2	56714	123204	21.33%	2.137%
32	13.109	1831	1838	1845	rBV	28580	48974	8.48%	0.850%
33	13.255	1856	1862	1868	rBV	147794	230462	39.90%	3.998%
34	13.371	1868	1881	1891	rVV6	18683	87978	15.23%	1.526%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
Data File : VW007094.D
Acq On : 27 Nov 2018 18:02
Operator : VAY/AP
Sample : J6074-01
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 001-WC-NY5

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_W\METHOD\82W112118S.M
Title : SW846 8260

35	13.493	1891	1901	1906	rVV8	12009	49002	8.48%	0.850%
36	13.560	1906	1912	1927	rVB2	215398	420246	72.75%	7.290%
37	13.725	1933	1939	1940	rBV2	8267	11240	1.95%	0.195%
38	13.761	1940	1945	1948	rVV3	40470	75611	13.09%	1.312%
39	13.792	1948	1950	1961	rVV3	28184	57318	9.92%	0.994%
40	13.883	1961	1965	1970	rVV5	9077	17238	2.98%	0.299%
41	13.956	1973	1977	1980	rVV	10552	19831	3.43%	0.344%
42	14.017	1981	1987	1989	rVV2	19657	40500	7.01%	0.703%
43	14.048	1989	1992	1995	rVV	17571	28145	4.87%	0.488%
44	14.103	1995	2001	2007	rVV2	32833	62357	10.80%	1.082%
45	14.213	2014	2019	2024	rVB2	16104	25740	4.46%	0.447%
46	14.347	2034	2041	2045	rBV4	10193	20716	3.59%	0.359%
47	14.426	2047	2054	2057	rVV	16980	32265	5.59%	0.560%
48	14.462	2057	2060	2064	rVV	20630	28343	4.91%	0.492%
49	14.505	2064	2067	2071	rVV3	8076	10860	1.88%	0.188%
50	14.548	2071	2074	2080	rVB6	4916	8689	1.50%	0.151%
51	14.694	2094	2098	2101	rBV	21664	35245	6.10%	0.611%
52	14.731	2101	2104	2109	rVB2	17769	26475	4.58%	0.459%
53	14.810	2109	2117	2122	rBV3	32644	79138	13.70%	1.373%
54	14.968	2138	2143	2147	rVB6	5704	8971	1.55%	0.156%
55	15.072	2155	2160	2163	rBV3	12586	21258	3.68%	0.369%
56	15.115	2164	2167	2173	rVV3	13765	24417	4.23%	0.424%
57	15.182	2173	2178	2186	rVB3	14018	33445	5.79%	0.580%
58	15.377	2205	2210	2215	rVB	40612	70733	12.25%	1.227%
59	15.481	2222	2227	2228	rBV5	11284	15140	2.62%	0.263%
60	15.560	2238	2240	2249	rVB4	14965	24736	4.28%	0.429%
61	15.663	2249	2257	2265	rBV4	17742	46045	7.97%	0.799%
62	15.834	2277	2285	2287	rBV5	7152	17736	3.07%	0.308%
63	15.956	2302	2305	2309	rBV5	3603	6130	1.06%	0.106%
64	16.176	2332	2341	2347	rBV9	8524	25552	4.42%	0.443%
65	16.304	2356	2362	2366	rVB4	5244	9000	1.56%	0.156%
66	16.389	2366	2376	2380	rBV9	6729	19547	3.38%	0.339%
67	16.456	2380	2387	2401	rVB	52023	126838	21.96%	2.200%
68	16.657	2413	2420	2428	rVB	23357	54976	9.52%	0.954%

Sum of corrected areas: 5764689

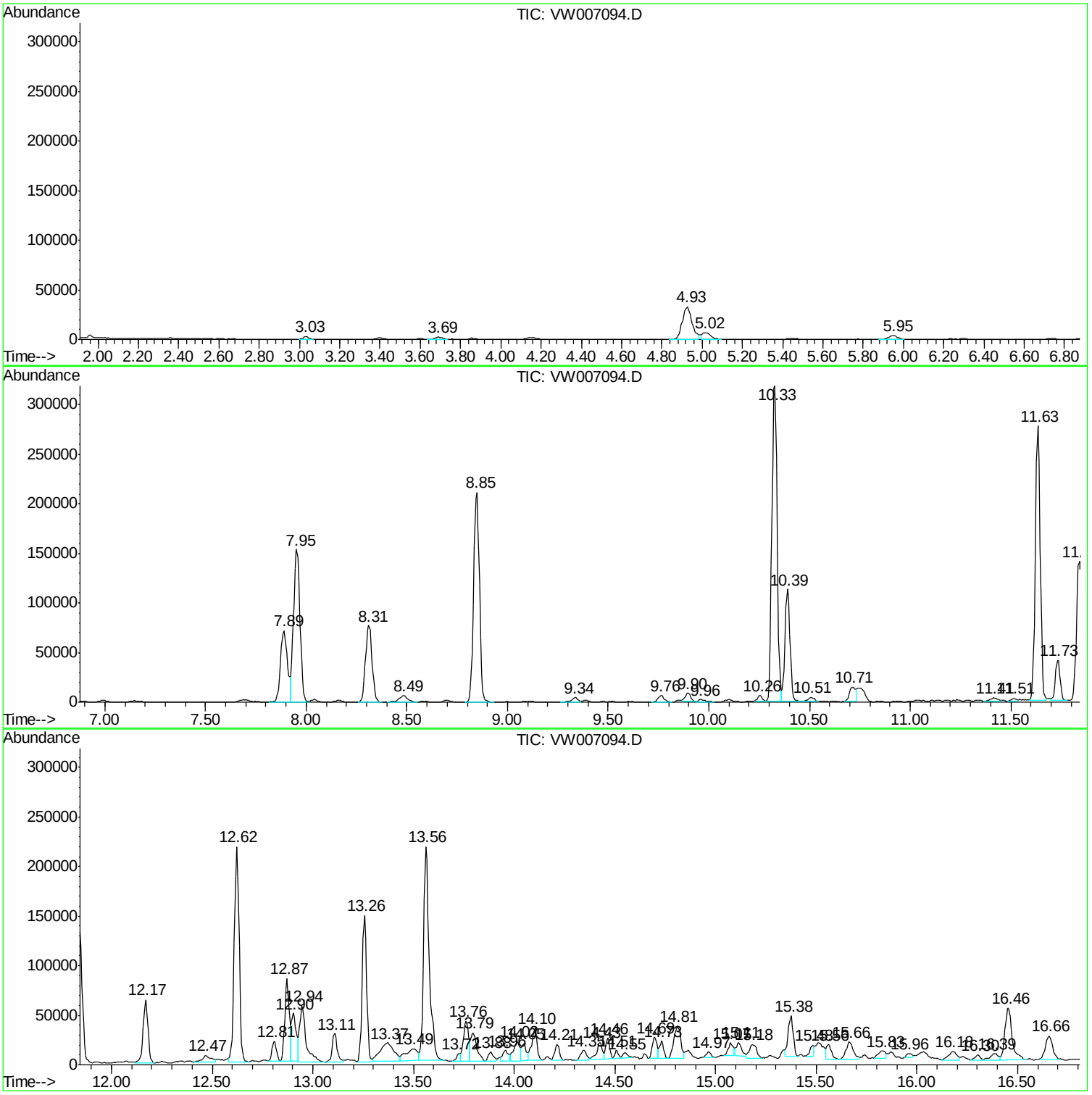
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
Data File : VW007094.D
Acq On : 27 Nov 2018 18:02
Operator : VAY/AP
Sample : J6074-01
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
001-WC-NY5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.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_W\DATA\VW112718\
Data File : VW007094.D
Acq On : 27 Nov 2018 18:02
Operator : VAY/AP
Sample : J6074-01
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 001-WC-NY5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260

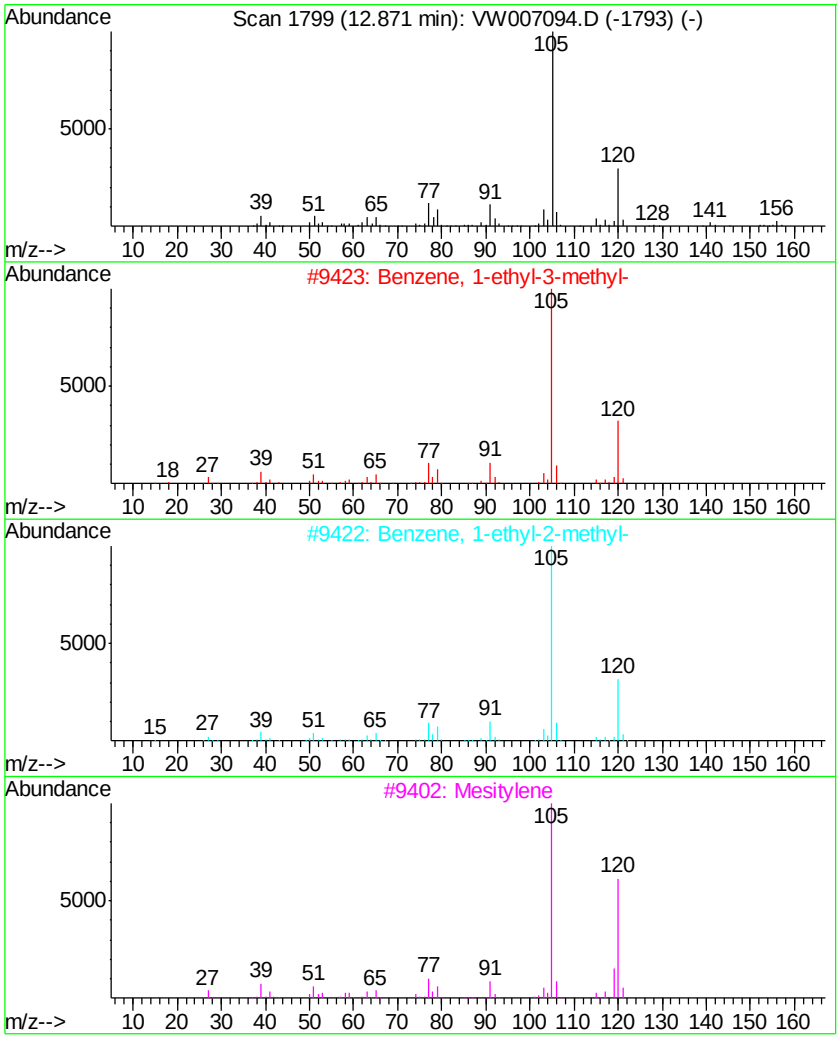
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

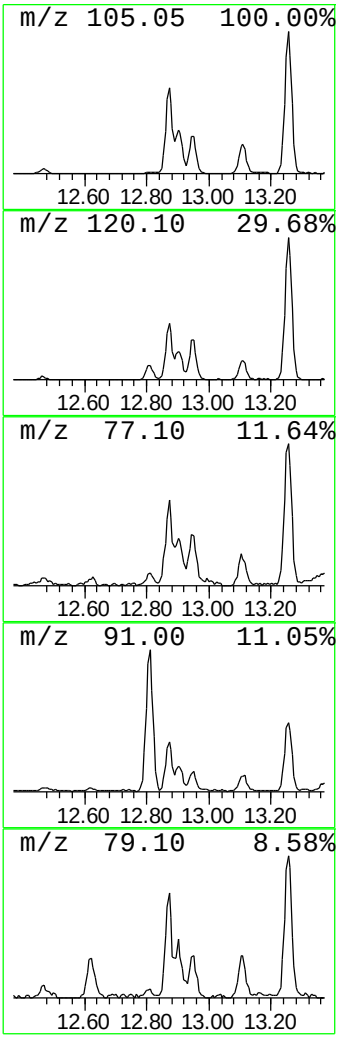
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	16.34 ug/l	137353	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	93
3	Mesitylene	120	C9H12	000108-67-8	90
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
Data File : VW007094.D
Acq On : 27 Nov 2018 18:02
Operator : VAY/AP
Sample : J6074-01
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 001-WC-NY5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260

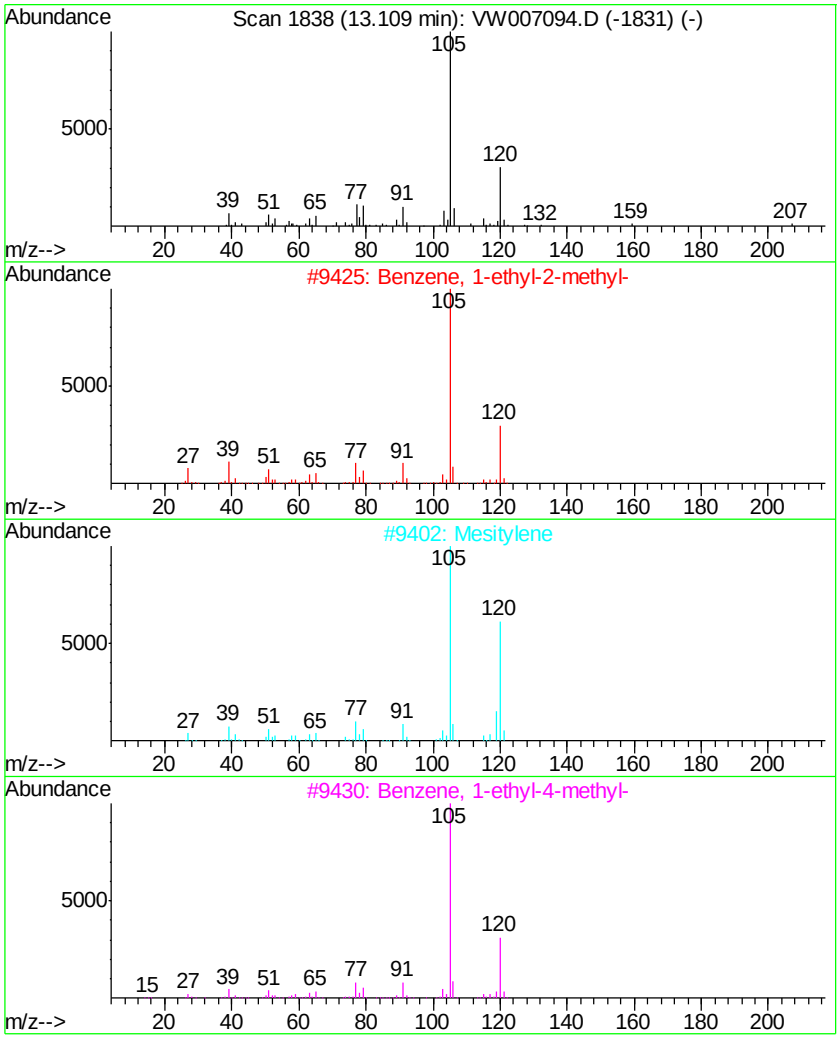
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

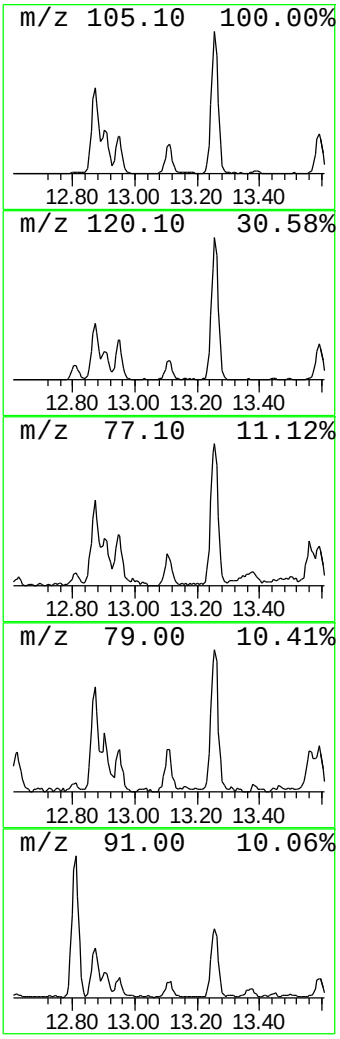
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	5.83 ug/l	48974	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	94
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
Data File : VW007094.D
Acq On : 27 Nov 2018 18:02
Operator : VAY/AP
Sample : J6074-01
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 001-WC-NY5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260

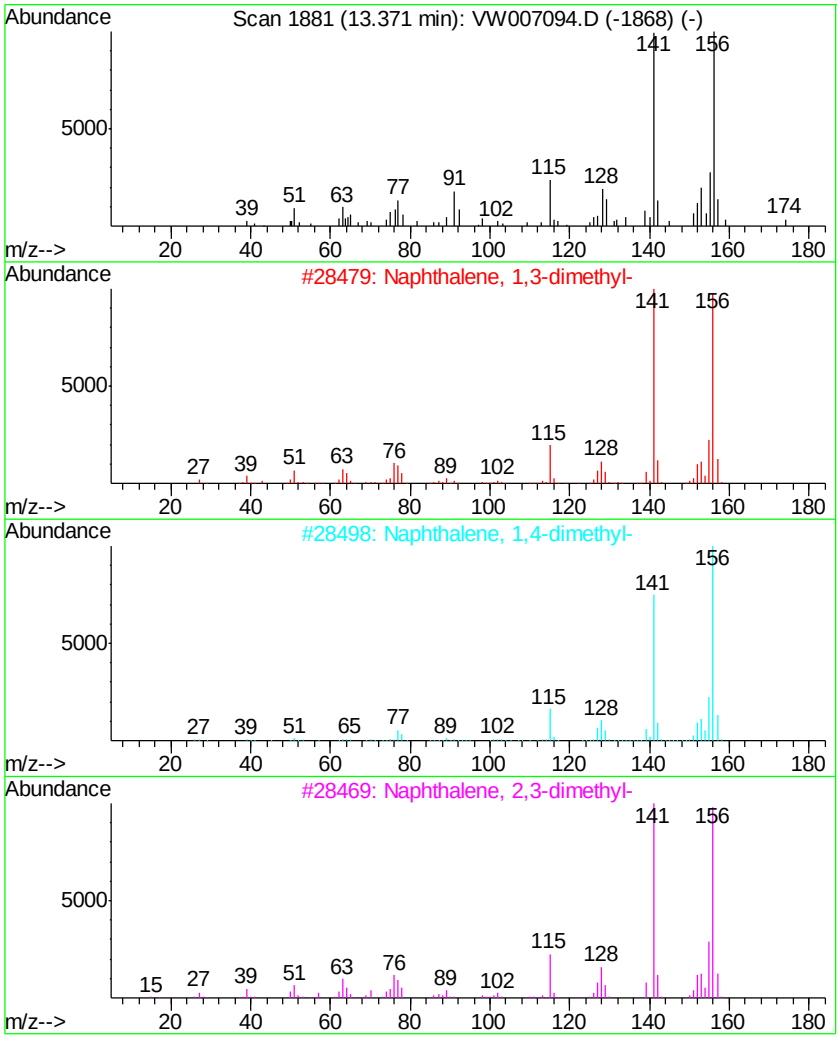
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

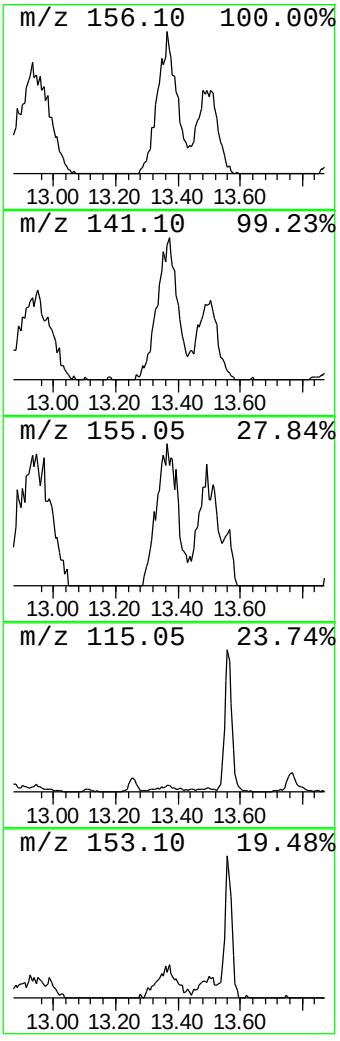
****

Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.37	10.47 ug/l	87978	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	93
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
Data File : VW007094.D
Acq On : 27 Nov 2018 18:02
Operator : VAY/AP
Sample : J6074-01
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 001-WC-NY5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260

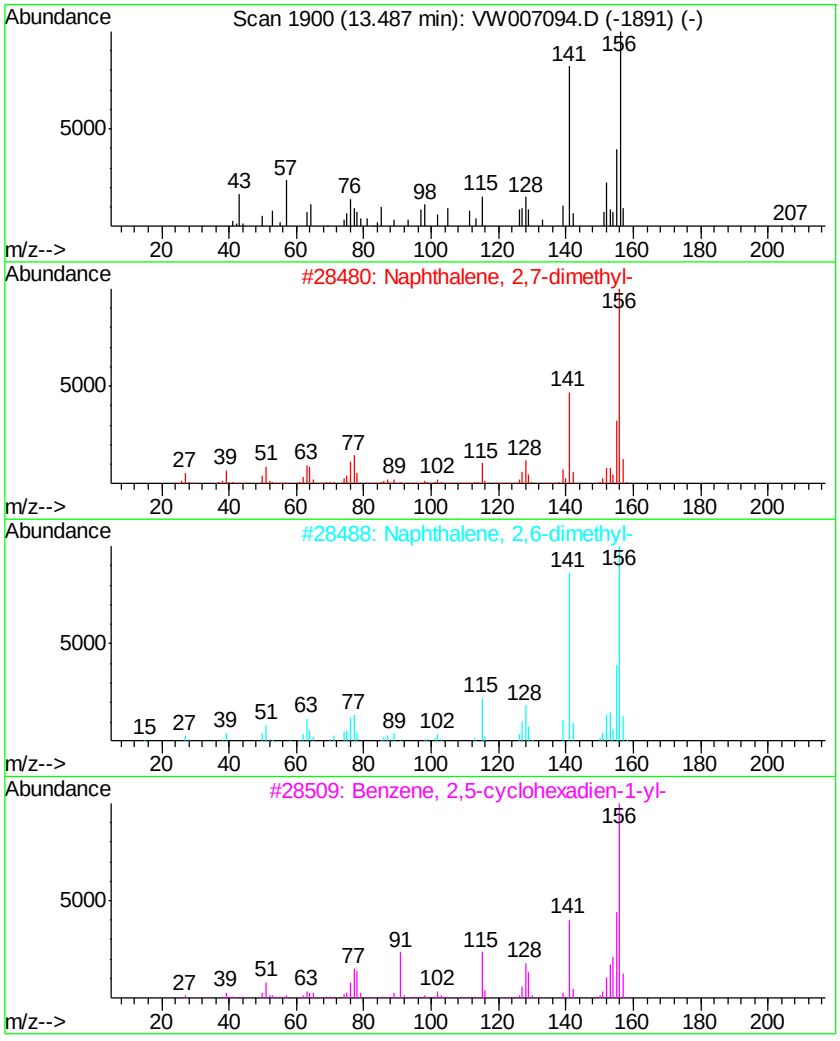
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

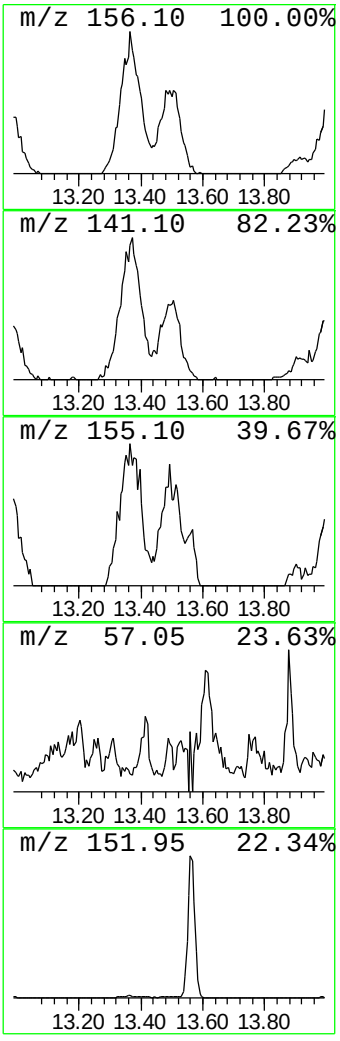
****

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.49	5.83 ug/l	49002	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	91
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	91
3	Benzene, 2,5-cyclohexadien-1-yl-	156	C12H12	004794-05-2	89
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	87
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	87





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
Data File : VW007094.D
Acq On : 27 Nov 2018 18:02
Operator : VAY/AP
Sample : J6074-01
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 001-WC-NY5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260

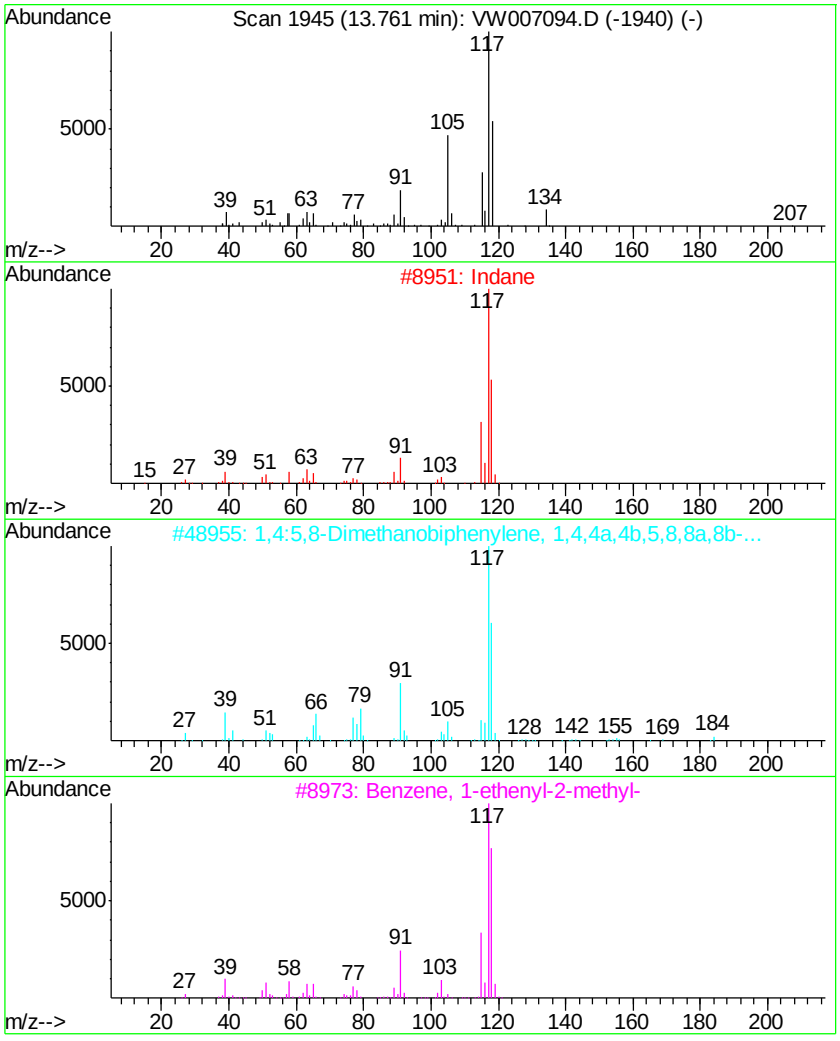
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

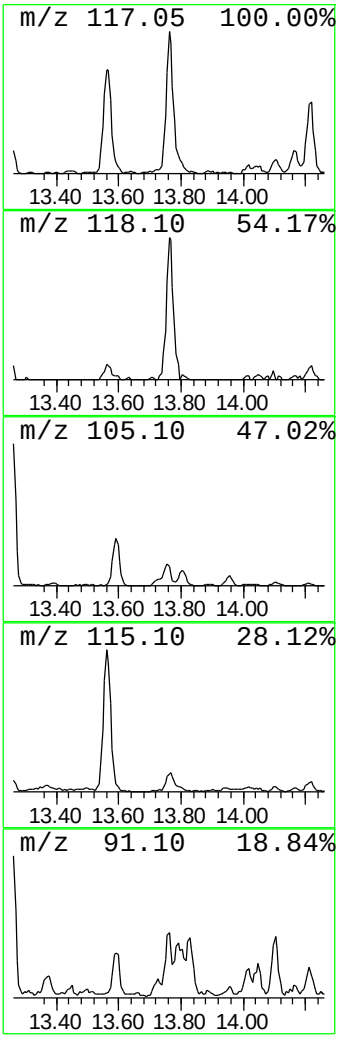
****

Peak Number 5 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	9.00 ug/l	75611	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	1,4:5,8-Dimethanobiphenylene, 1,...	184	C14H16	001624-13-1	72
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	68
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	68
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
Data File : VW007094.D
Acq On : 27 Nov 2018 18:02
Operator : VAY/AP
Sample : J6074-01
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 001-WC-NY5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260

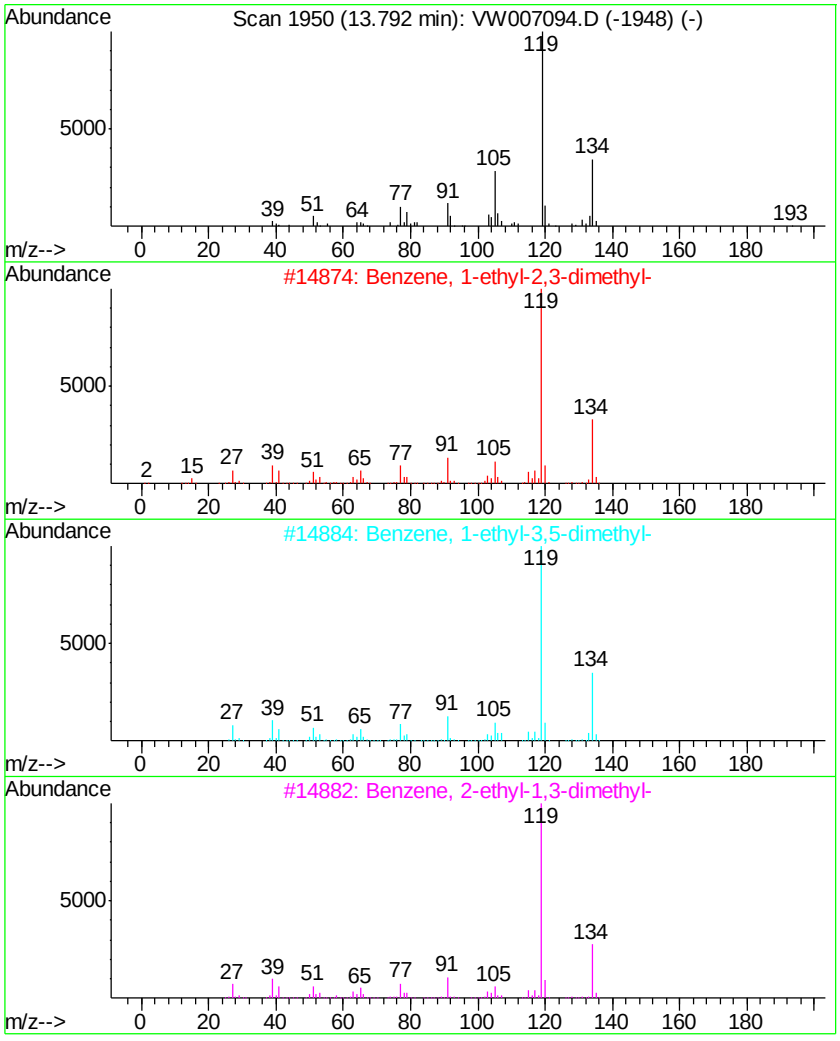
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

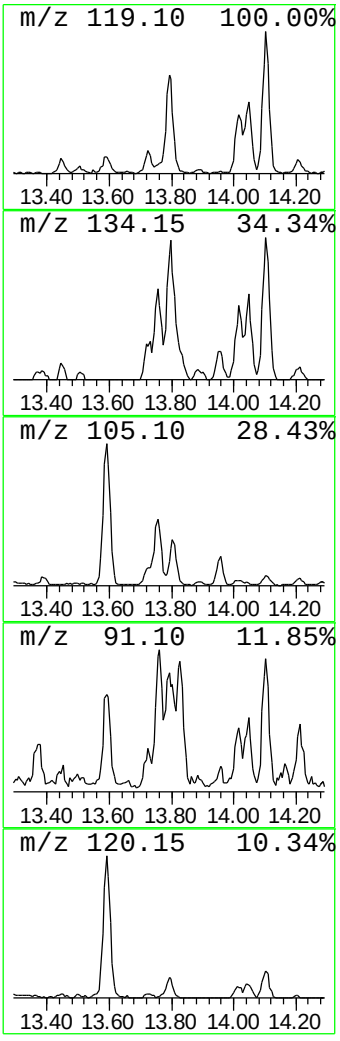
****

Peak Number 6 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	6.82 ug/l	57318	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
2	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	80
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	80
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	80
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	80





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
Data File : VW007094.D
Acq On : 27 Nov 2018 18:02
Operator : VAY/AP
Sample : J6074-01
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 001-WC-NY5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260

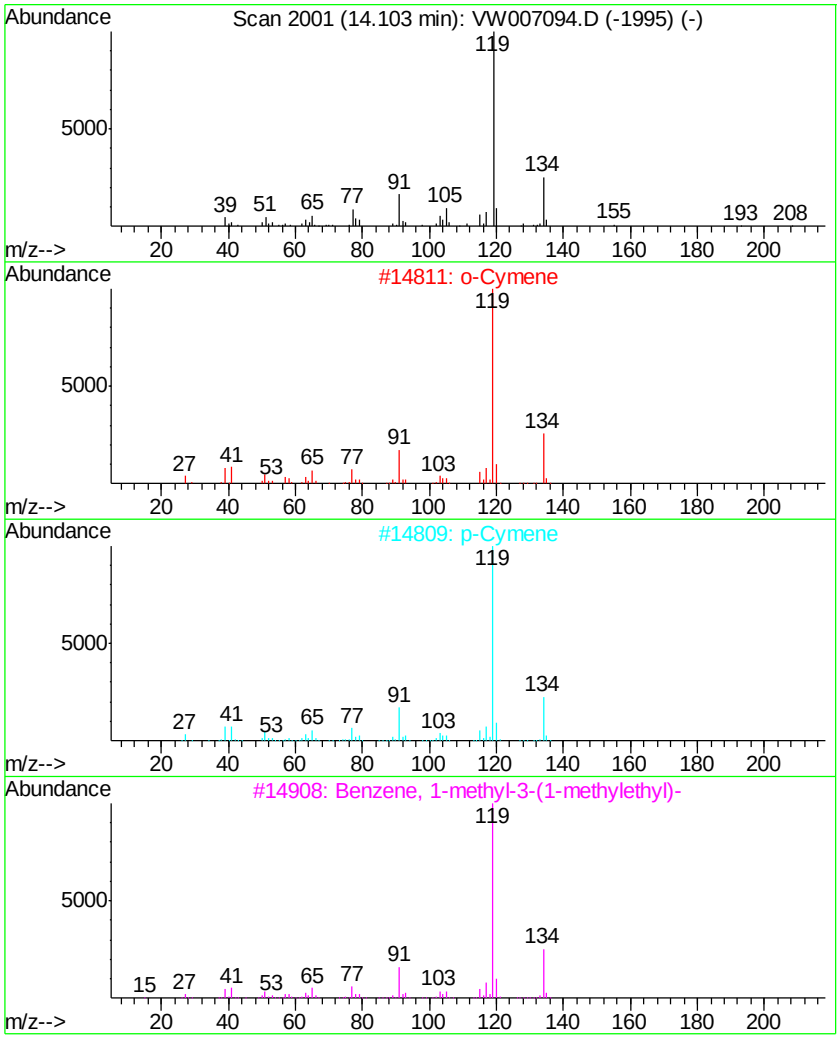
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

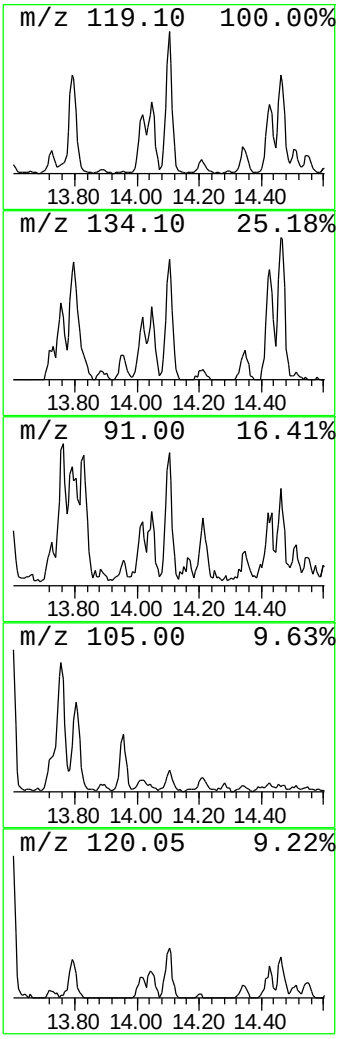
****

Peak Number 7 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.10	7.42 ug/l	62357	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	p-Cymene	134	C10H14	000099-87-6	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
Data File : VW007094.D
Acq On : 27 Nov 2018 18:02
Operator : VAY/AP
Sample : J6074-01
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 001-WC-NY5

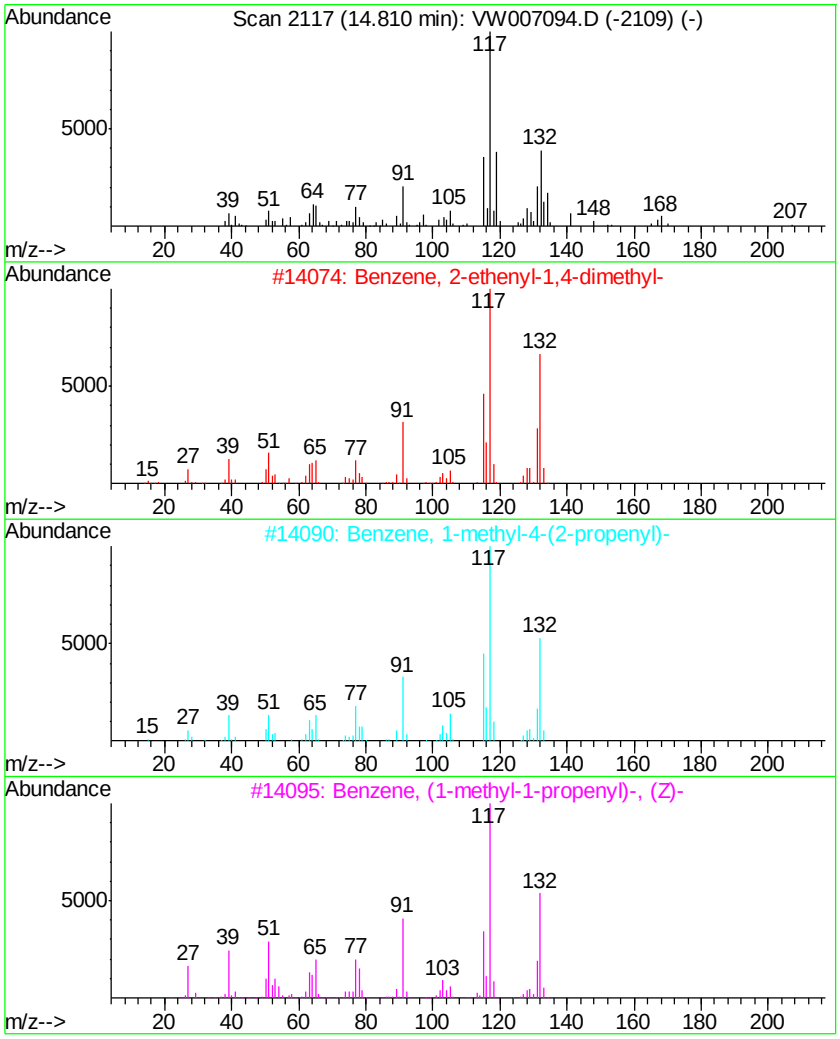
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260

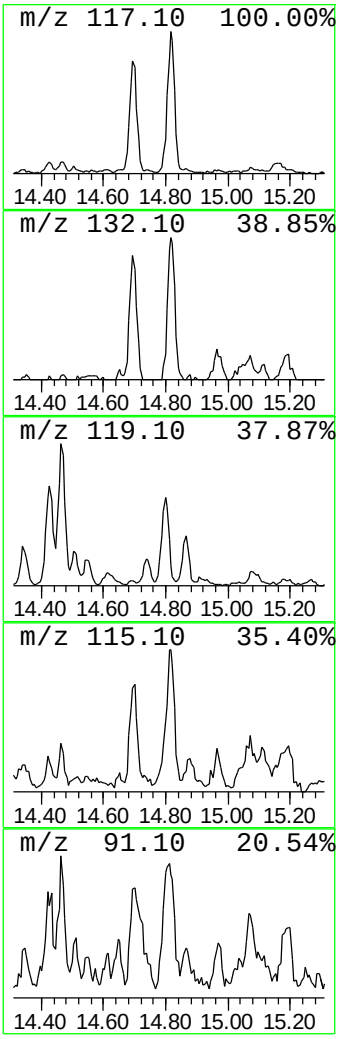
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	9.42 ug/l	79138	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	86
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	81
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
Data File : VW007094.D
Acq On : 27 Nov 2018 18:02
Operator : VAY/AP
Sample : J6074-01
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 001-WC-NY5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.M
Quant Title : SW846 8260

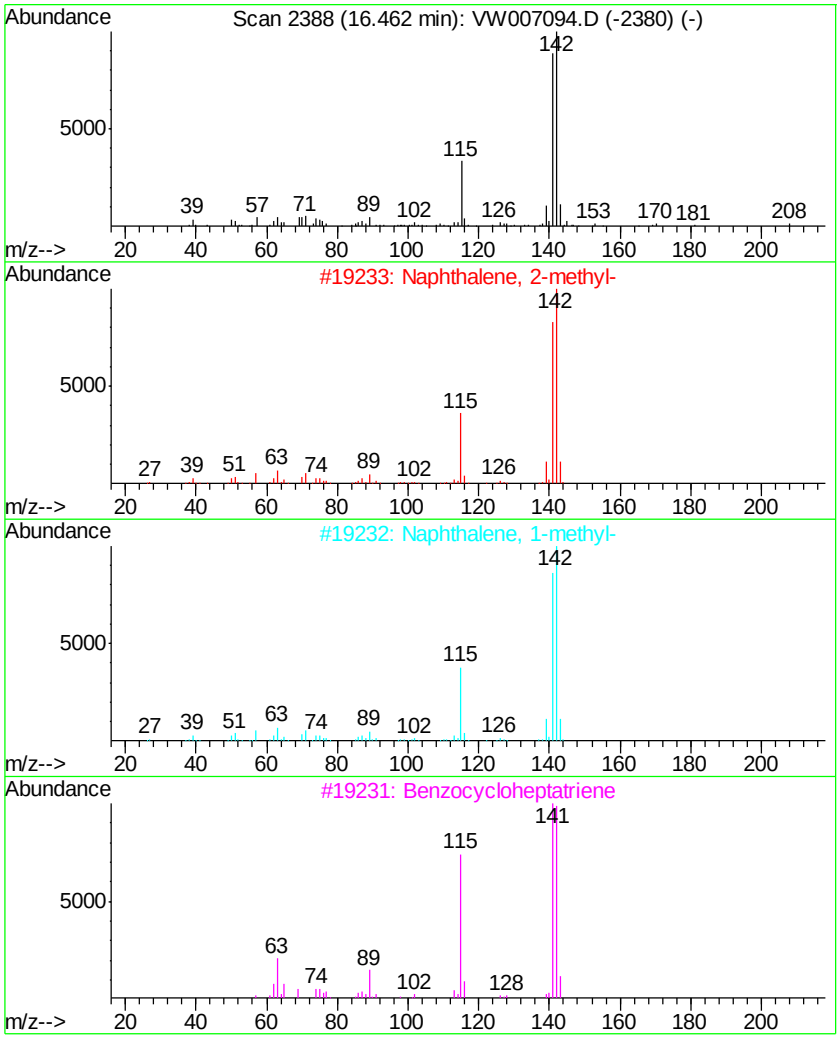
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

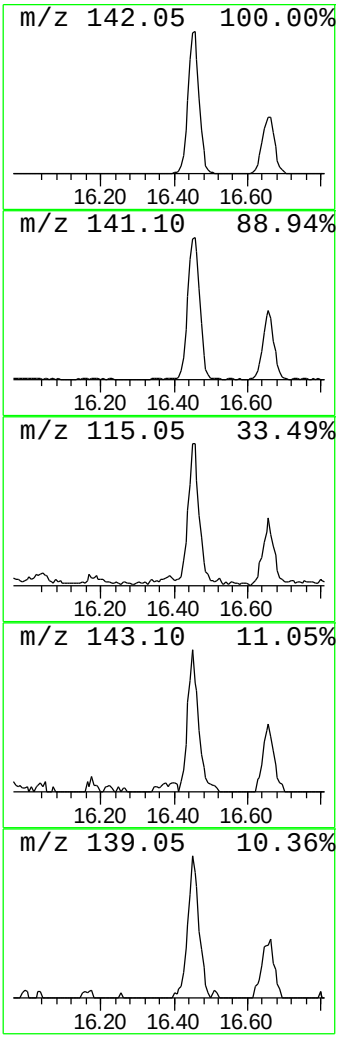
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.46	15.09 ug/l	126838	1,4-Dichlorobenzene-d4	13.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
3	Benzocycloheptatriene	142	C11H10	000264-09-5	90
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
5	Naphthalene, 1-[(2-propenyloxy)m...	198	C14H14O	074685-39-5	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW112718\
Data File : VW007094.D
Acq On : 27 Nov 2018 18:02
Operator : VAY/AP
Sample : J6074-01
Misc : 5.02G/5ML/MSVOA_W/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : 001-WC-NY5

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W112118S.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-ethyl-...	12.87	16.3	ug/l	137353	4	13.56	420246	50.0
Benzene, 1-ethyl-...	13.11	5.8	ug/l	48974	4	13.56	420246	50.0
Naphthalene, 1,3-...	13.37	10.5	ug/l	87978	4	13.56	420246	50.0
Naphthalene, 2,7-...	13.49	5.8	ug/l	49002	4	13.56	420246	50.0
Indane	13.76	9.0	ug/l	75611	4	13.56	420246	50.0
Benzene, 1-ethyl-...	13.79	6.8	ug/l	57318	4	13.56	420246	50.0
o-Cymene	14.10	7.4	ug/l	62357	4	13.56	420246	50.0
Benzene, 2-etheny...	14.81	9.4	ug/l	79138	4	13.56	420246	50.0
Naphthalene, 1-me...	16.46	15.1	ug/l	126838	4	13.56	420246	50.0