LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
Data File : VW013023.D
Acq On : 15 Sep 2019 05:44
Operator : SY/VA
Sample : K4850-02
Misc : 4.69G/5ML/MSVOA W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : AOC-7-(6)

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\82W091419S.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	4.129	354	365	383	rBV	50821	160013	1.04%	0.226%
2	7.878	969	980	985	rBV	199813	477287	3.10%	0.674%
3	7.939	985	990	1001	rVB	414278	935762	6.08%	1.322%
4	8.305	1040	1050	1060	rBV2	284125	760662	4.94%	1.075%
5	8.836	1128	1137	1149	rBV	605405	1231447	8.00%	1.740%
6	10.323	1371	1381	1387	rBV	936095	1730726	11.24%	2.445%
7	10.384	1387	1391	1398	rVB	98513	181618	1.18%	0.257%
8	11.628	1586	1595	1605	rBV	785988	1421802	9.24%	2.009%
9	11.731	1605	1612	1618	rVV	1638815	2757359	17.91%	3.896%
10	11.841	1622	1630	1646	rVB	563774	1229100	7.99%	1.736%
11	12.164	1673	1683	1691	rBV	999793	1742434	11.32%	2.462%
12	12.463	1723	1732	1738	rBV	1172550	1954947	12.70%	2.762%
13	12.615	1751	1757	1767	rVB2	615948	1084667	7.05%	1.532%
14	12.804	1780	1788	1792	rBV	207251	359916	2.34%	0.508%
15	12.865	1792	1798	1800	rVV	506822	789923	5.13%	1.116%
16	12.896	1800	1803	1807	rVV	953283	1409761	9.16%	1.992%
17	12.939	1807	1810	1821	rVB	459207	762326	4.95%	1.077%
18	13.103	1829	1837	1844	rBV	1425702	2309682	15.01%	3.263%
19	13.249	1855	1861	1867	rBV	2095843	3207414	20.84%	4.531%
20	13.371	1873	1881	1886	rBV2	81177	207011	1.34%	0.292%
21	13.438	1887	1892	1897	rVV	205719	331367	2.15%	0.468%
22	13.499	1897	1902	1906	rVV2	227735	361620	2.35%	0.511%
23	13.554	1906	1911	1913	rVV	568333	899249	5.84%	1.270%
24	13.585	1913	1916	1921	rVV	1005053	1488707	9.67%	2.103%
25	13.719	1932	1938	1939	rBV	610485	837132	5.44%	1.183%
26	13.755	1939	1944	1958	rVB	9005138	15392311	100.00%	21.746%
27	13.877	1958	1964	1968	rVB4	93155	157396	1.02%	0.222%
28	13.938	1969	1974	1981	rVB2	238216	428511	2.78%	0.605%
29	14.012	1981	1986	1988	rBV	216798	353111	2.29%	0.499%
30	14.036	1988	1990	1994	rVB	244591	298030	1.94%	0.421%
31	14.097	1994	2000	2006	rVB	844655	1333709	8.66%	1.884%
32	14.207	2012	2018	2023	rBV	1306066	1982212	12.88%	2.800%
33	14.335	2033	2039	2044	rVB	160068	266856	1.73%	0.377%
34	14.414	2044	2052	2055	rBV2	313040	611026	3.97%	0.863%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
Data File : VW013023.D
Acq On : 15 Sep 2019 05:44
Operator : SY/VA
Sample : K4850-02
Misc : 4.69G/5ML/MSVOA W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : AOC-7-(6)

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\82W091419S.M
Title : SW846 8260

35	14.457	2055	2059	2063	rVV	485077	749398	4.87%	1.059%
36	14.499	2063	2066	2071	rVV2	180136	305116	1.98%	0.431%
37	14.566	2072	2077	2086	rVB2	165725	350406	2.28%	0.495%
38	14.688	2091	2097	2102	rBV	1358759	2129620	13.84%	3.009%
39	14.804	2108	2116	2122	rBV3	1184342	2396133	15.57%	3.385%
40	14.871	2122	2127	2133	rVB3	210713	366100	2.38%	0.517%
41	14.950	2134	2140	2149	rVB2	932164	1598384	10.38%	2.258%
42	15.060	2151	2158	2164	rBV2	329018	686375	4.46%	0.970%
43	15.182	2171	2178	2186	rVB3	166876	347442	2.26%	0.491%
44	15.365	2202	2208	2215	rVV	2375929	4180107	27.16%	5.906%
45	15.469	2220	2225	2238	rVB5	164387	460064	2.99%	0.650%
46	15.651	2248	2255	2259	rBV3	102579	216707	1.41%	0.306%
47	15.847	2281	2287	2292	rBV5	111522	240941	1.57%	0.340%
48	15.969	2299	2307	2312	rBV3	141966	382571	2.49%	0.540%
49	16.377	2364	2374	2378	rBV	128252	294195	1.91%	0.416%
50	16.438	2378	2384	2398	rVB	829404	1827568	11.87%	2.582%
51	16.645	2409	2418	2428	rVB	2154783	4795074	31.15%	6.774%

Sum of corrected areas: 70781295

LSC Report - Integrated Chromatogram

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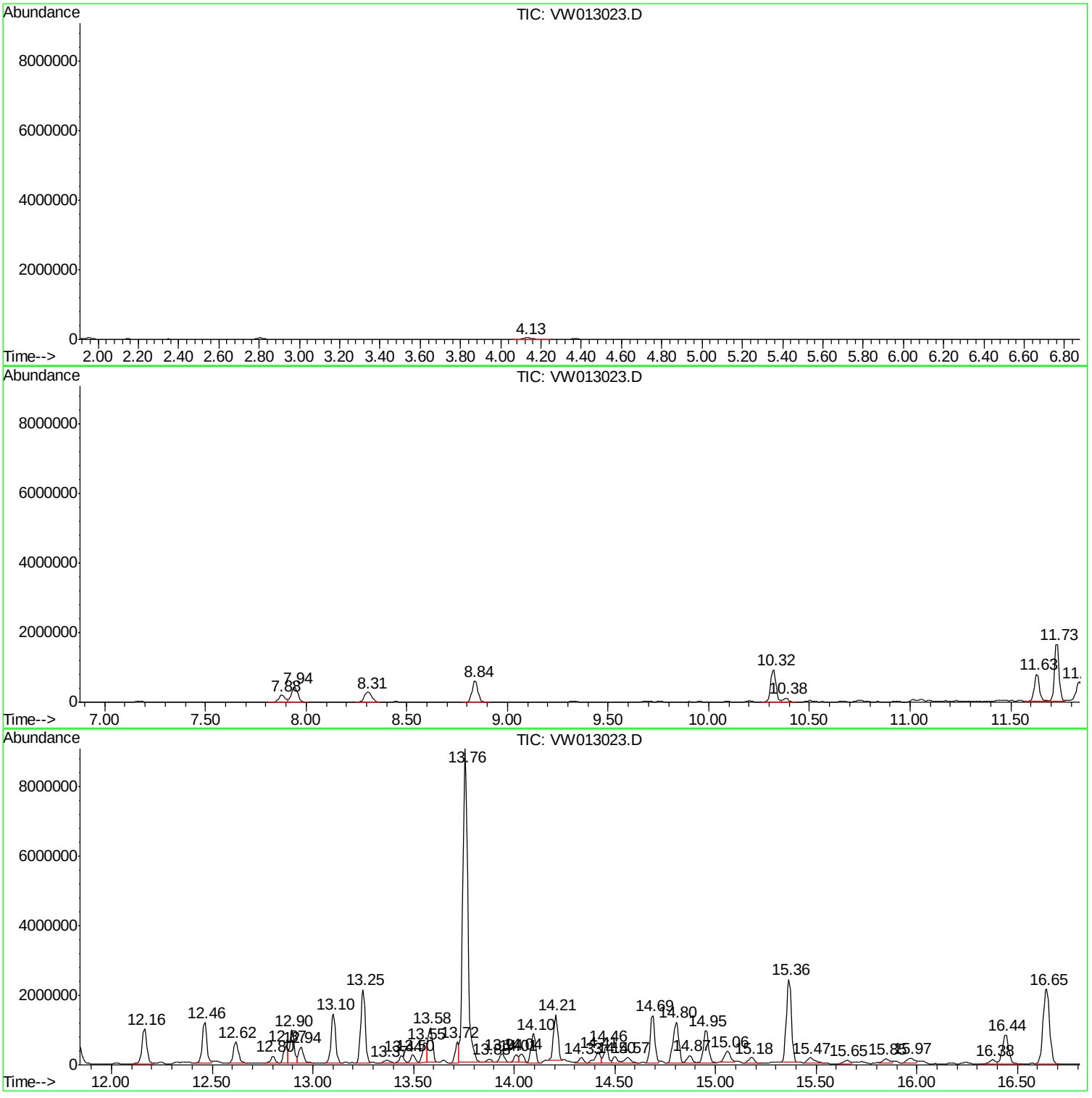
Data File : VW013023.D
Acq On : 15 Sep 2019 05:44
Operator : SY/VA
Sample : K4850-02
Misc : 4.69G/5ML/MSVOA W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
AOC-7-(6)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.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\VW091519\
Data File : VW013023.D
Acq On : 15 Sep 2019 05:44
Operator : SY/VA
Sample : K4850-02
Misc : 4.69G/5ML/MSVOA W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : AOC-7-(6)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260

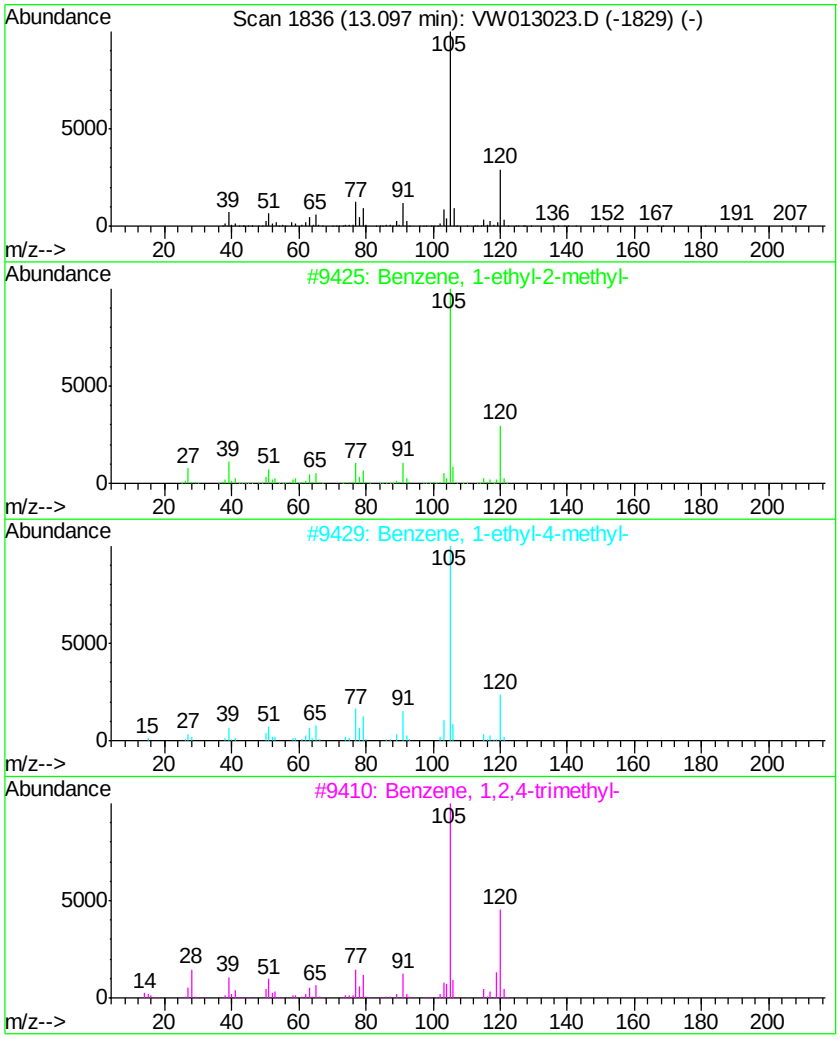
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

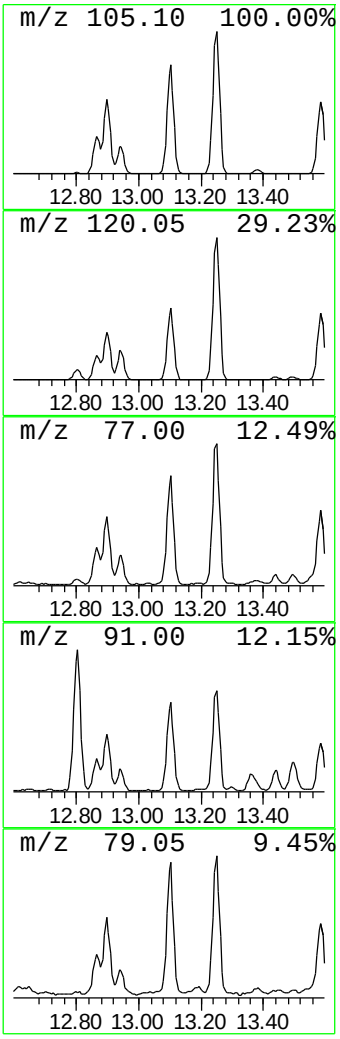
****

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.10	128.42 ug/l	2309680	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
Data File : VW013023.D
Acq On : 15 Sep 2019 05:44
Operator : SY/VA
Sample : K4850-02
Misc : 4.69G/5ML/MSVOA W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : AOC-7-(6)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260

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

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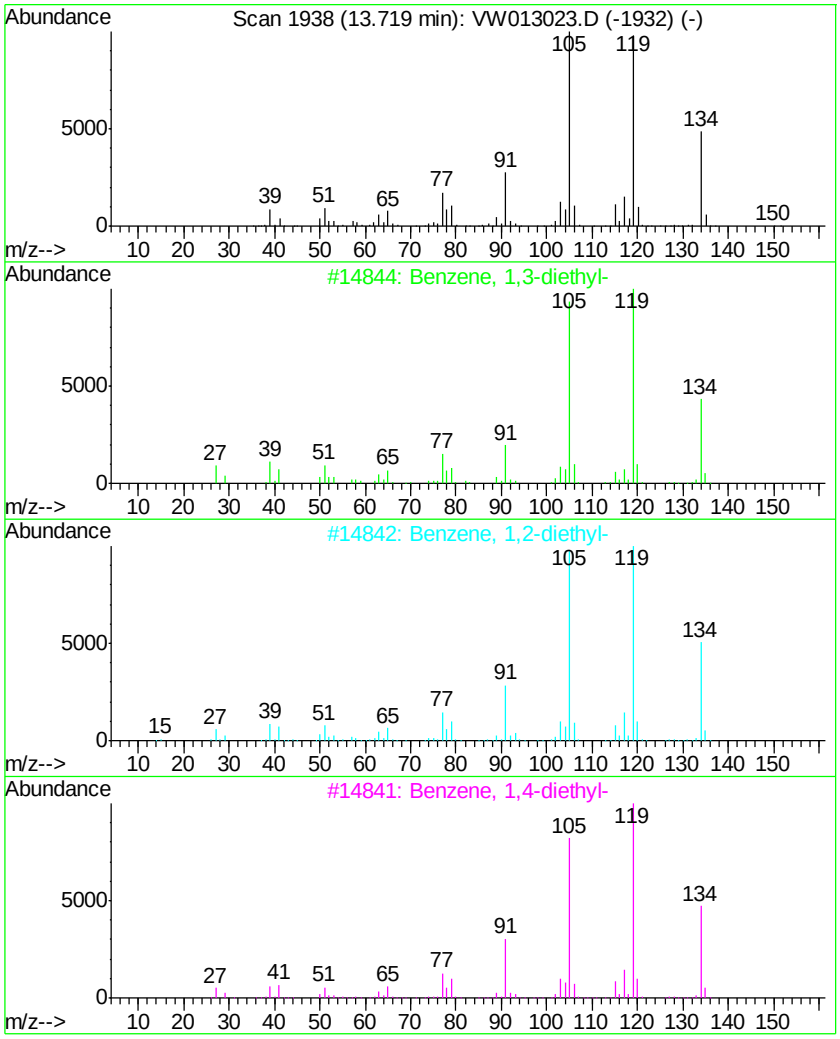
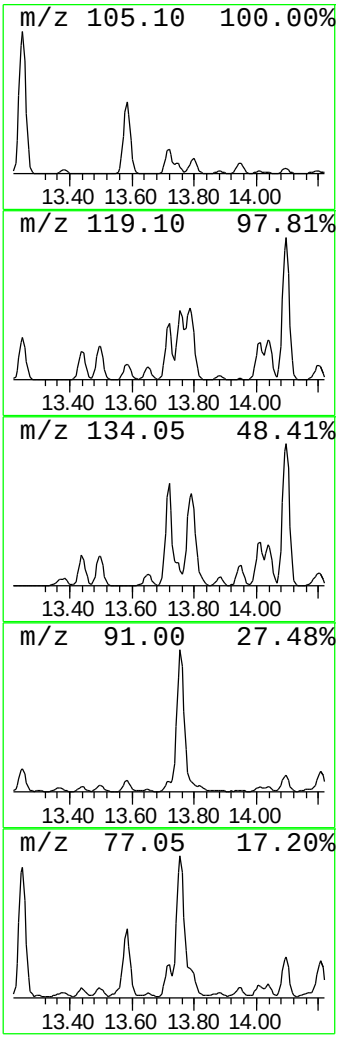
Peak Number 2 Benzene, 1,3-diethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	46.55 ug/l	837132	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87





Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
Data File : VW013023.D
Acq On : 15 Sep 2019 05:44
Operator : SY/VA
Sample : K4850-02
Misc : 4.69G/5ML/MSVOA W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : AOC-7-(6)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260

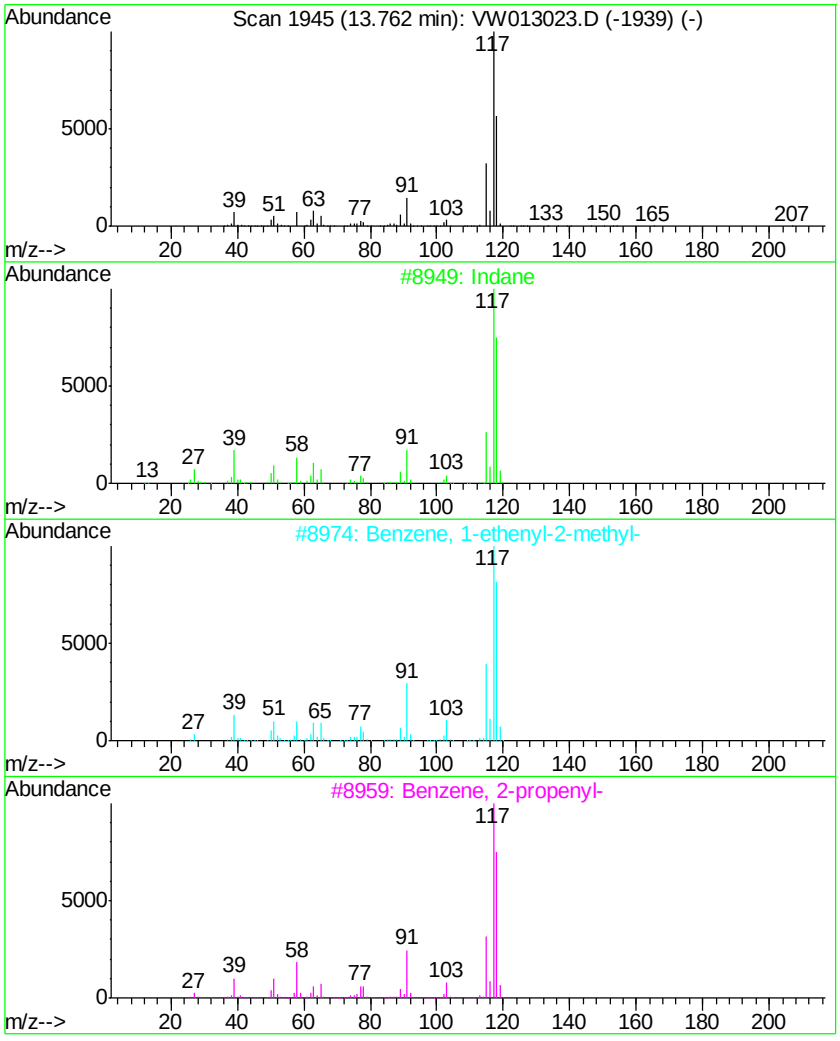
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

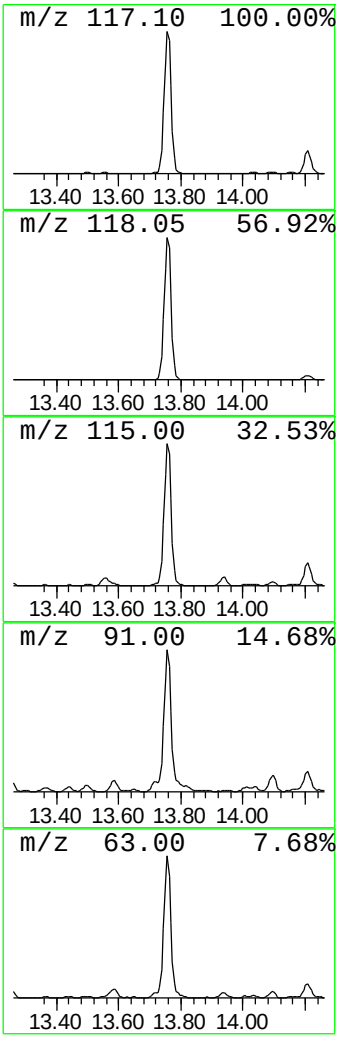
****

Peak Number 3 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	855.84 ug/l	15392300	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	74
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	50





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
Data File : VW013023.D
Acq On : 15 Sep 2019 05:44
Operator : SY/VA
Sample : K4850-02
Misc : 4.69G/5ML/MSVOA W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : AOC-7-(6)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260

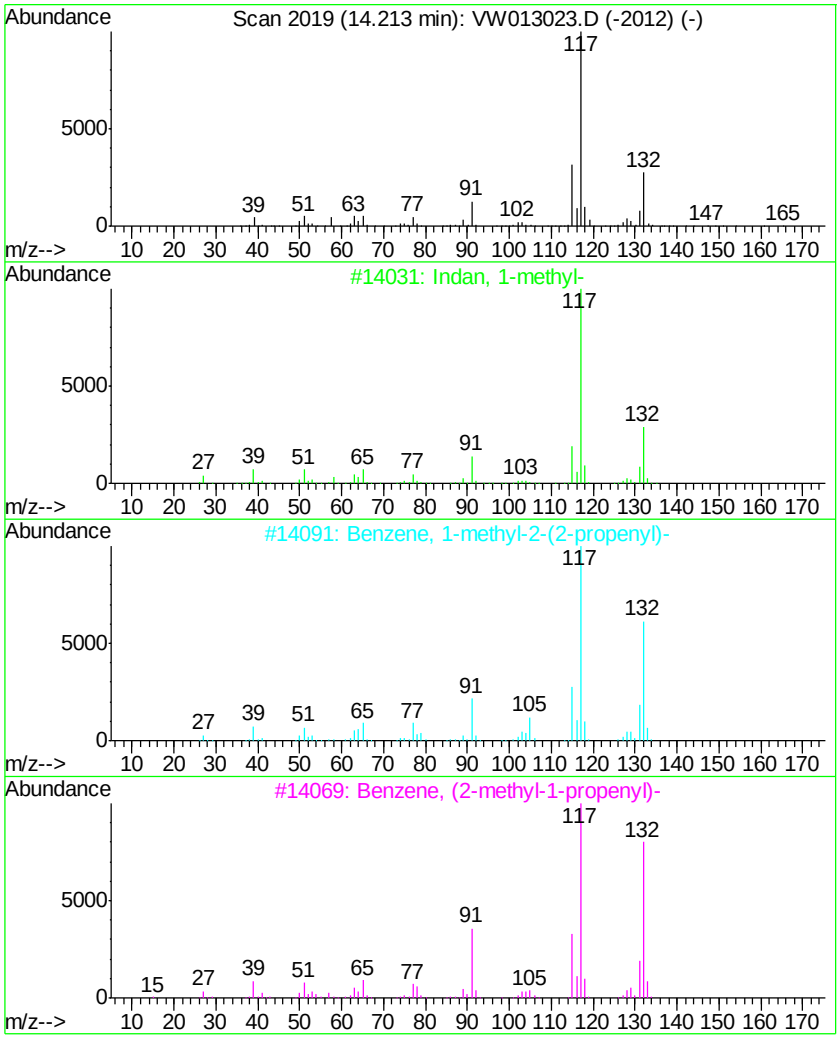
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

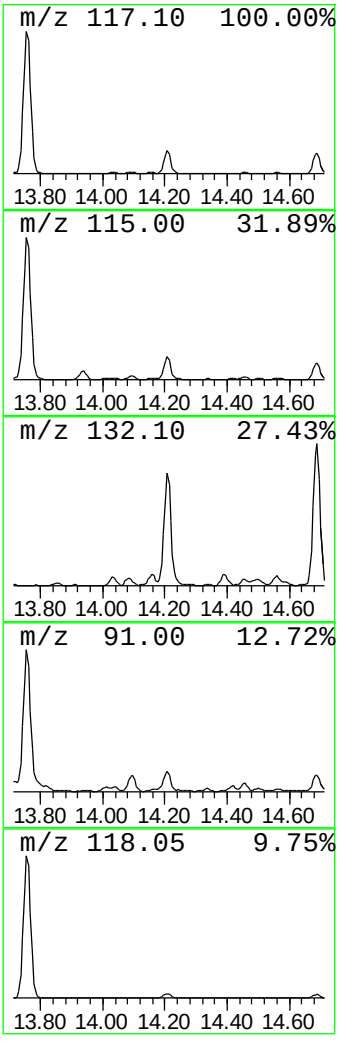
****

Peak Number 5 Indan, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.21	110.22 ug/l	1982210	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	80
3	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	80
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	80
5	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80





Library Search Compound Report

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Operator : SY/VA
Sample : K4850-02
Misc : 4.69G/5ML/MSVOA W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : AOC-7-(6)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260

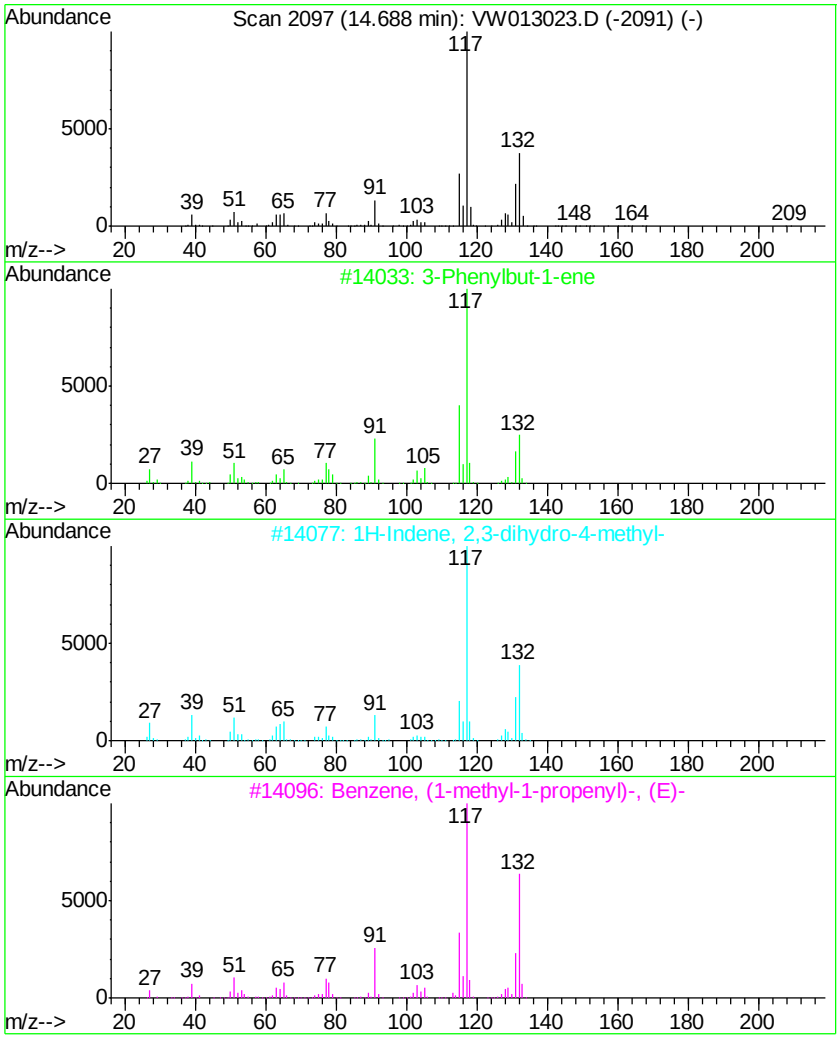
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

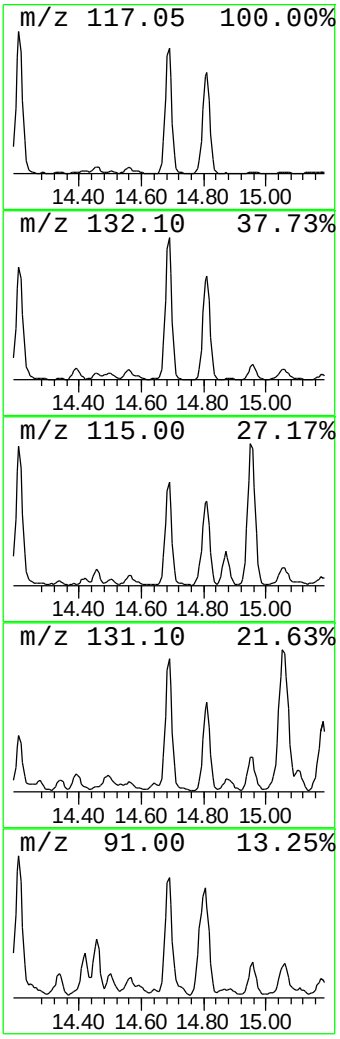
****

Peak Number 6 3-Phenylbut-1-ene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	118.41 ug/l	2129620	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	83
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81





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ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : AOC-7-(6)

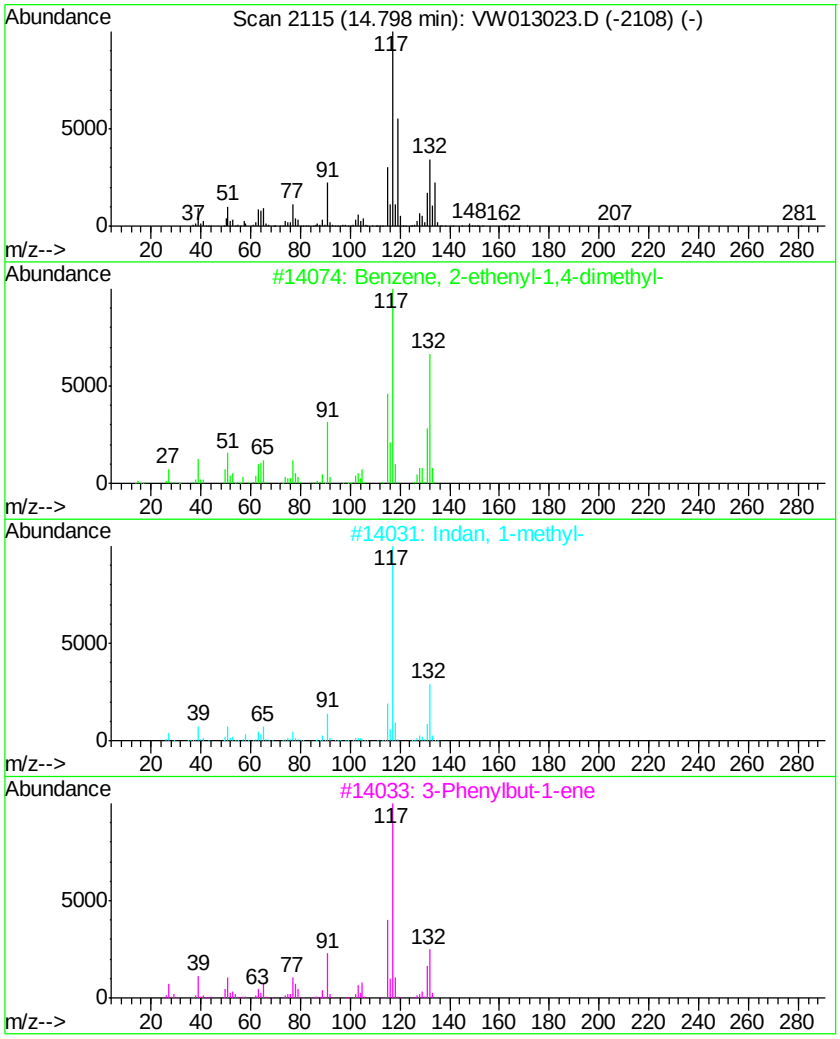
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260

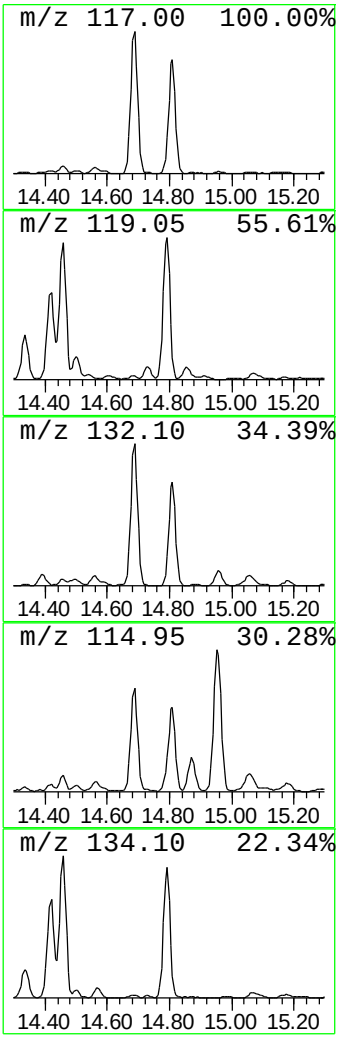
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	133.23 ug/l	2396130	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	87





Library Search Compound Report

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ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : AOC-7-(6)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260

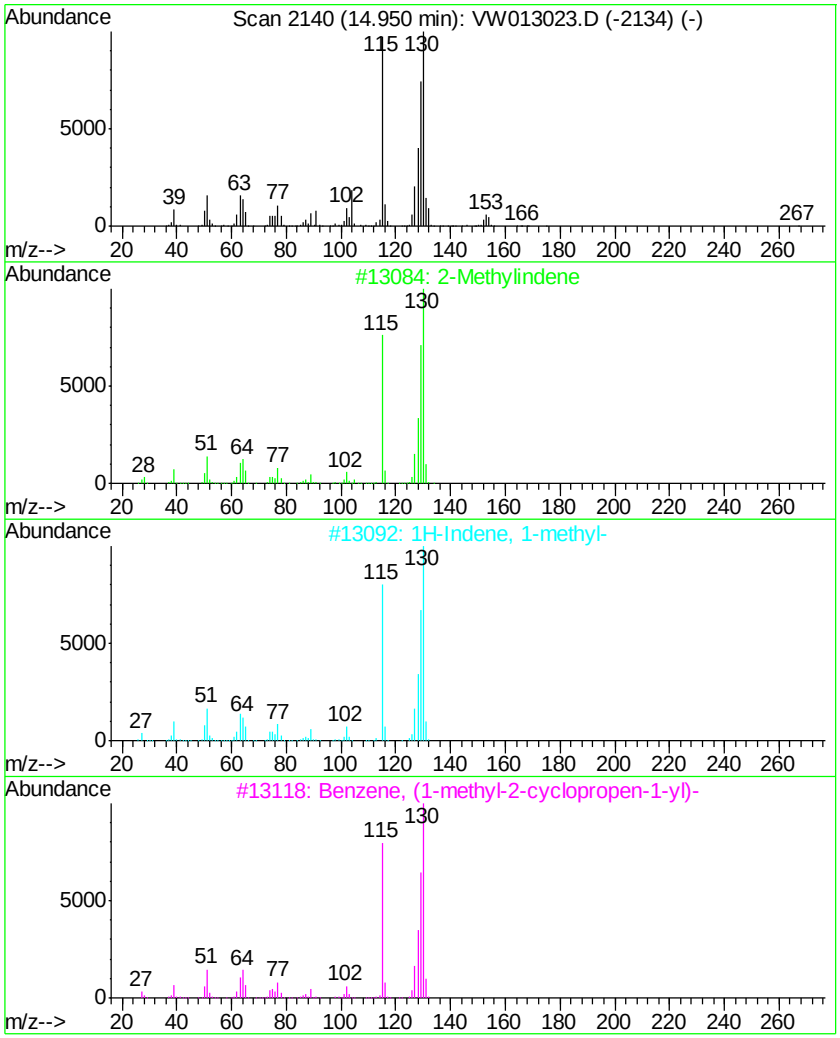
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

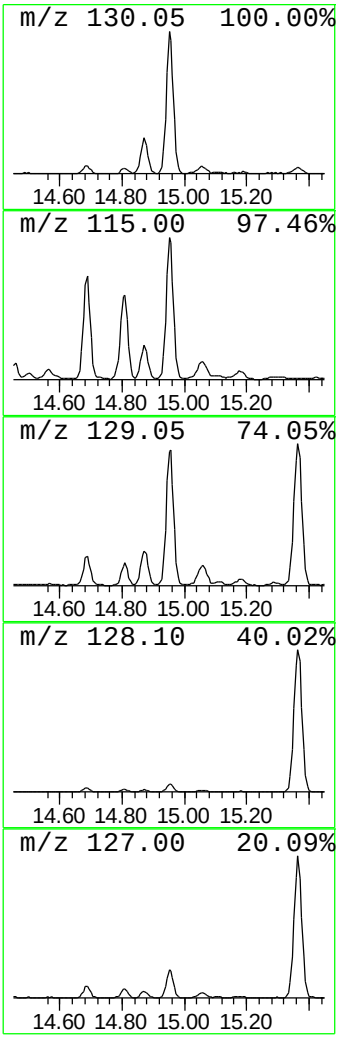
****

Peak Number 8 2-Methylindene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	88.87 ug/l	1598380	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	96
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
4	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091519\
Data File : VW013023.D
Acq On : 15 Sep 2019 05:44
Operator : SY/VA
Sample : K4850-02
Misc : 4.69G/5ML/MSVOA W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : AOC-7-(6)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.M
Quant Title : SW846 8260

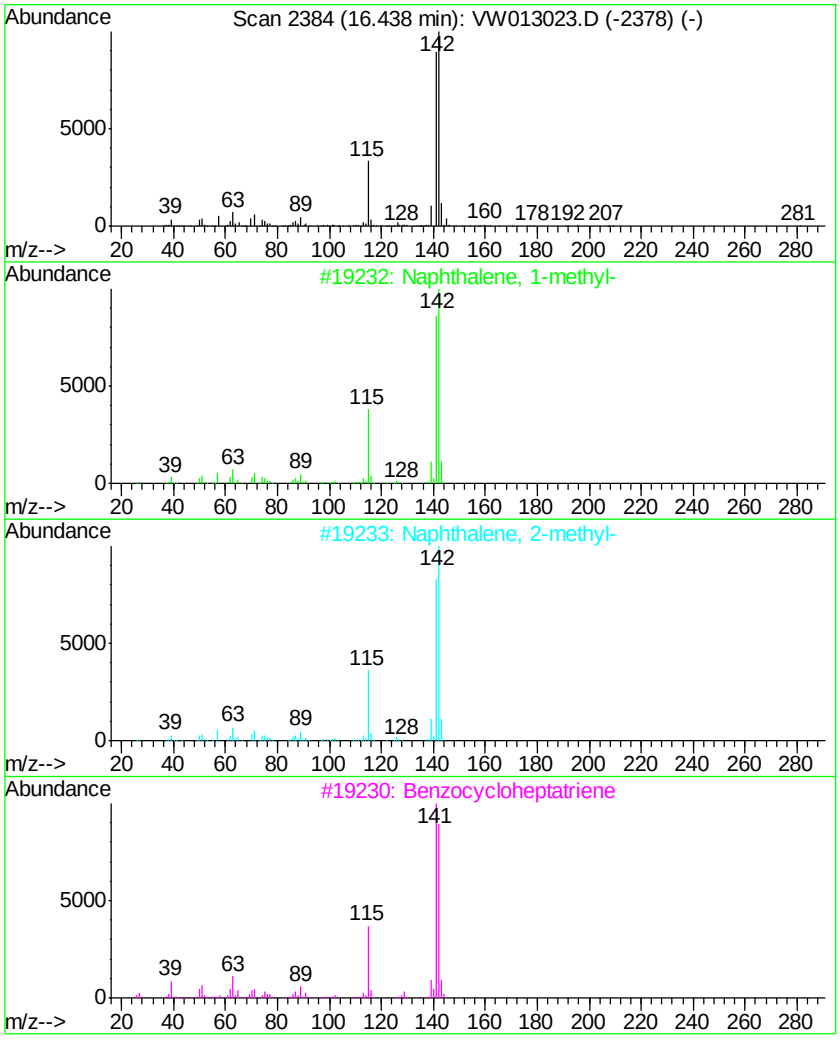
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

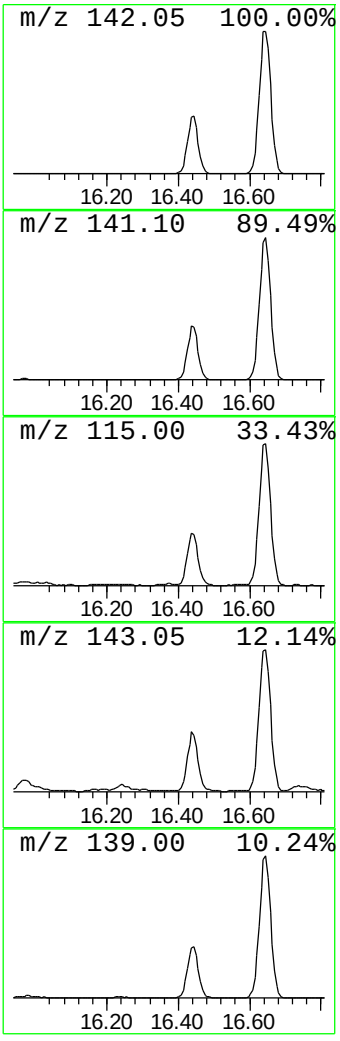
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	101.62 ug/l	1827570	1,4-Dichlorobenzene-d4	13.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW091519\
Data File : VW013023.D
Acq On : 15 Sep 2019 05:44
Operator : SY/VA
Sample : K4850-02
Misc : 4.69G/5ML/MSVOA_W/SOIL
ALS Vial : 46 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : AOC-7-(6)

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091419S.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-...	13.10	128.4	ug/l	2309680	4	13.55	899249	50.0
Benzene, 1,3-diet...	13.72	46.5	ug/l	837132	4	13.55	899249	50.0
Indane	13.76	855.8	ug/l	15392300	4	13.55	899249	50.0
Indan, 1-methyl-	14.21	110.2	ug/l	1982210	4	13.55	899249	50.0
3-Phenylbut-1-ene	14.69	118.4	ug/l	2129620	4	13.55	899249	50.0
Benzene, 2-etheny...	14.80	133.2	ug/l	2396130	4	13.55	899249	50.0
2-Methylindene	14.95	88.9	ug/l	1598380	4	13.55	899249	50.0
Naphthalene, 1-me...	16.44	101.6	ug/l	1827570	4	13.55	899249	50.0