LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
Data File : VD064980.D
Acq On : 28 Jan 2020 15:51
Operator : VA/SY
Sample : L1287-02
Misc : 6.78G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : AOC-3-EXC-PIT-(5)-A

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_D\METHOD\82D012320S.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	7.920	1010	1020	1025	rBV2	304288	742091	1.95%	0.392%
2	7.985	1025	1031	1041	rVB	541915	1185645	3.12%	0.626%
3	8.338	1082	1091	1101	rBV2	258759	598805	1.58%	0.316%
4	8.867	1172	1181	1192	rBV	786590	1591988	4.19%	0.840%
5	10.344	1424	1432	1450	rBV	1276252	2300566	6.05%	1.214%
6	11.650	1647	1654	1665	rBV2	1092262	2266253	5.96%	1.196%
7	11.749	1665	1671	1681	rVB	821180	1360418	3.58%	0.718%
8	11.861	1681	1690	1701	rBV2	187057	486368	1.28%	0.257%
9	12.185	1732	1745	1753	rBV	289572	715786	1.88%	0.378%
10	12.485	1786	1796	1802	rBV	755133	1279496	3.37%	0.675%
11	12.638	1815	1822	1830	rVB2	773343	1353611	3.56%	0.714%
12	12.826	1846	1854	1859	rVB2	214760	547011	1.44%	0.289%
13	12.891	1859	1865	1866	rBV	292438	399881	1.05%	0.211%
14	12.926	1866	1871	1874	rVV	843703	1338258	3.52%	0.706%
15	12.967	1874	1878	1890	rVB	589051	1113981	2.93%	0.588%
16	13.132	1899	1906	1913	rBV	918047	1629145	4.29%	0.860%
17	13.279	1925	1931	1936	rVV	2033971	3049648	8.03%	1.609%
18	13.438	1950	1958	1961	rBV3	235379	484498	1.28%	0.256%
19	13.473	1961	1964	1968	rVB2	321927	451186	1.19%	0.238%
20	13.526	1968	1973	1978	rBV	406862	681693	1.79%	0.360%
21	13.585	1978	1983	1985	rVV	813863	1264525	3.33%	0.667%
22	13.614	1985	1988	2003	rVB2	1408724	2918486	7.68%	1.540%
23	13.749	2003	2011	2012	rBV	732756	1063612	2.80%	0.561%
24	13.791	2012	2018	2032	rVB	19898418	34077387	89.69%	17.982%
25	13.908	2033	2038	2043	rBV4	332855	565125	1.49%	0.298%
26	14.044	2057	2061	2063	rBV	269716	392025	1.03%	0.207%
27	14.073	2063	2066	2070	rVB2	372847	504606	1.33%	0.266%
28	14.132	2070	2076	2081	rBV	1535354	2457681	6.47%	1.297%
29	14.243	2088	2095	2100	rBV	1558912	2831206	7.45%	1.494%
30	14.373	2110	2117	2121	rBV4	269599	556090	1.46%	0.293%
31	14.420	2121	2125	2127	rVV4	388008	604255	1.59%	0.319%
32	14.455	2127	2131	2134	rVV	712163	1192529	3.14%	0.629%
33	14.491	2134	2137	2141	rVV	810642	1193887	3.14%	0.630%
34	14.538	2141	2145	2149	rVV5	358241	597827	1.57%	0.315%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
Data File : VD064980.D
Acq On : 28 Jan 2020 15:51
Operator : VA/SY
Sample : L1287-02
Misc : 6.78G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : AOC-3-EXC-PIT-(5)-A

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_D\METHOD\82D012320S.M
Title : SW846 8260

35	14.596	2149	2155	2166	rVB6	327993	968248	2.55%	0.511%
36	14.726	2170	2177	2182	rBV	3079643	4842887	12.75%	2.556%
37	14.843	2189	2197	2202	rBV2	3350629	7012944	18.46%	3.701%
38	14.996	2217	2223	2231	rVB	3125414	5338649	14.05%	2.817%
39	15.102	2236	2241	2247	rVB3	754869	1408527	3.71%	0.743%
40	15.226	2256	2262	2269	rBV4	423400	1053487	2.77%	0.556%
41	15.414	2283	2294	2305	rBV	19234357	37994744	100.00%	20.049%
42	15.520	2306	2312	2318	rBV4	564610	1239279	3.26%	0.654%
43	15.714	2338	2345	2352	rBV7	488806	1604591	4.22%	0.847%
44	15.790	2354	2358	2365	rVB8	653026	1337740	3.52%	0.706%
45	16.361	2451	2455	2462	rVB	664412	1214732	3.20%	0.641%
46	16.443	2464	2469	2473	rVV	530418	1128832	2.97%	0.596%
47	16.514	2473	2481	2493	rVB	10008923	21804216	57.39%	11.506%
48	16.720	2507	2516	2527	rVB	12497362	28761769	75.70%	15.177%

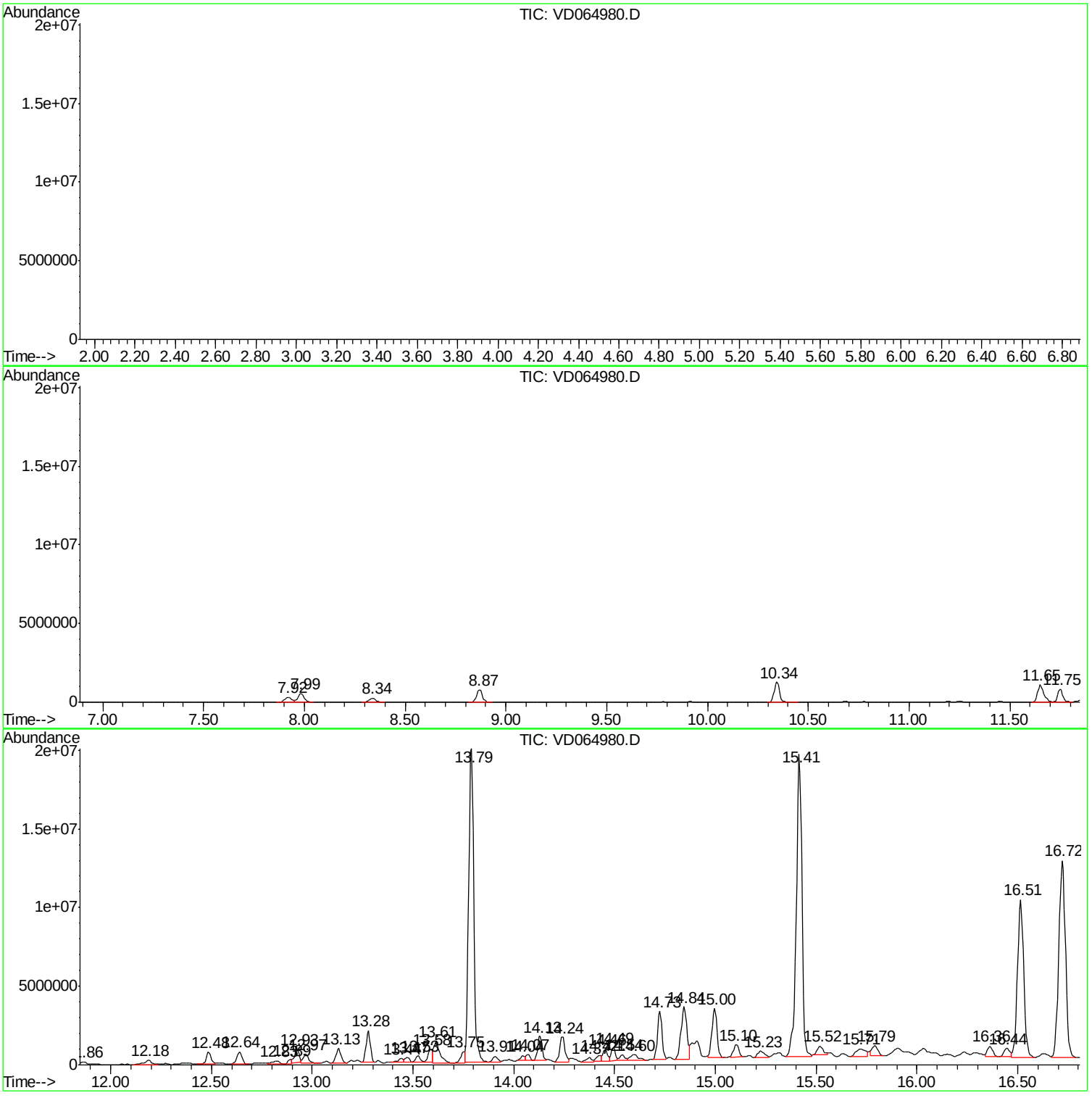
Sum of corrected areas: 189506214

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012820\
Data File : VD064980.D
Acq On : 28 Jan 2020 15:51
Operator : VA/SY
Sample : L1287-02
Misc : 6.78G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
AOC-3-EXC-PIT-(5)-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.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 D\DATA\VD012820\
Data File : VD064980.D
Acq On : 28 Jan 2020 15:51
Operator : VA/SY
Sample : L1287-02
Misc : 6.78G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : AOC-3-EXC-PIT-(5)-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260

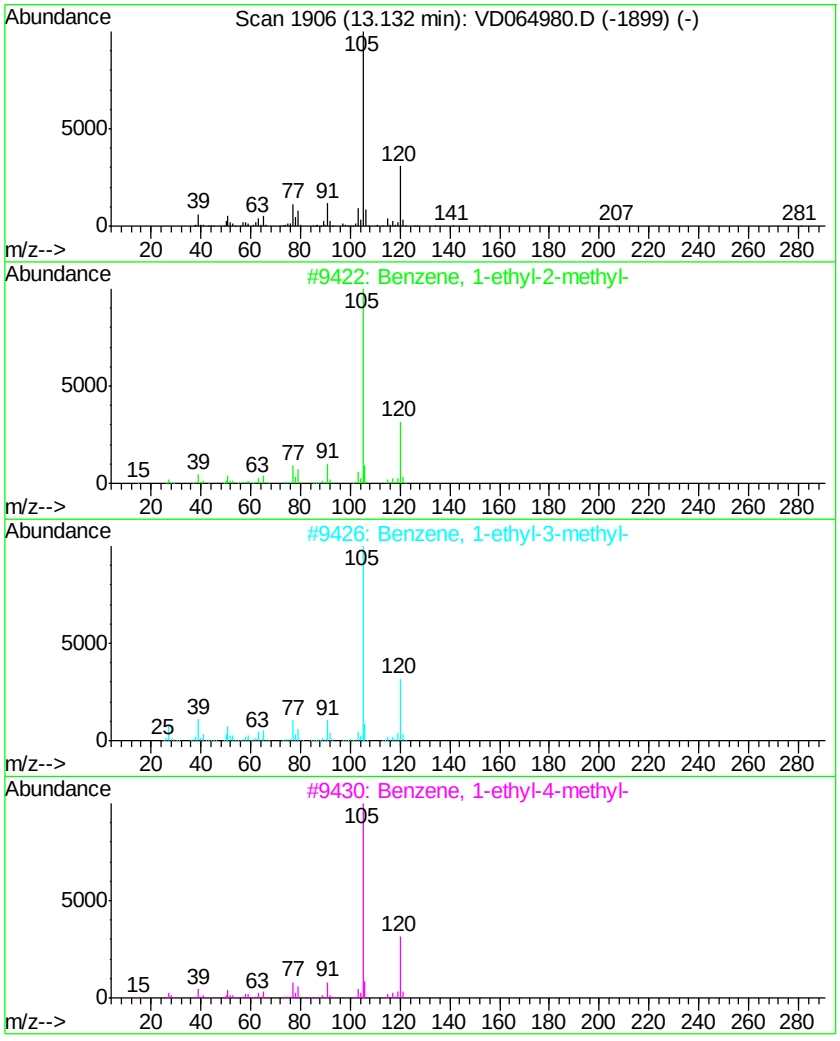
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

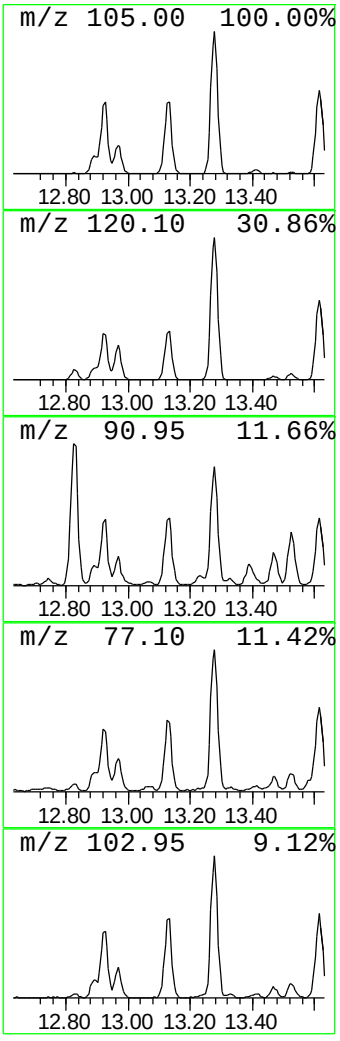
****

Peak Number 1 Benzene, 1-ethyl-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	64.42 ug/l	1629150	1,4-Dichlorobenzene-d4	13.58

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-3-methyl-	120	C9H12	000620-14-4	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
Data File : VD064980.D
Acq On : 28 Jan 2020 15:51
Operator : VA/SY
Sample : L1287-02
Misc : 6.78G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : AOC-3-EXC-PIT-(5)-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260

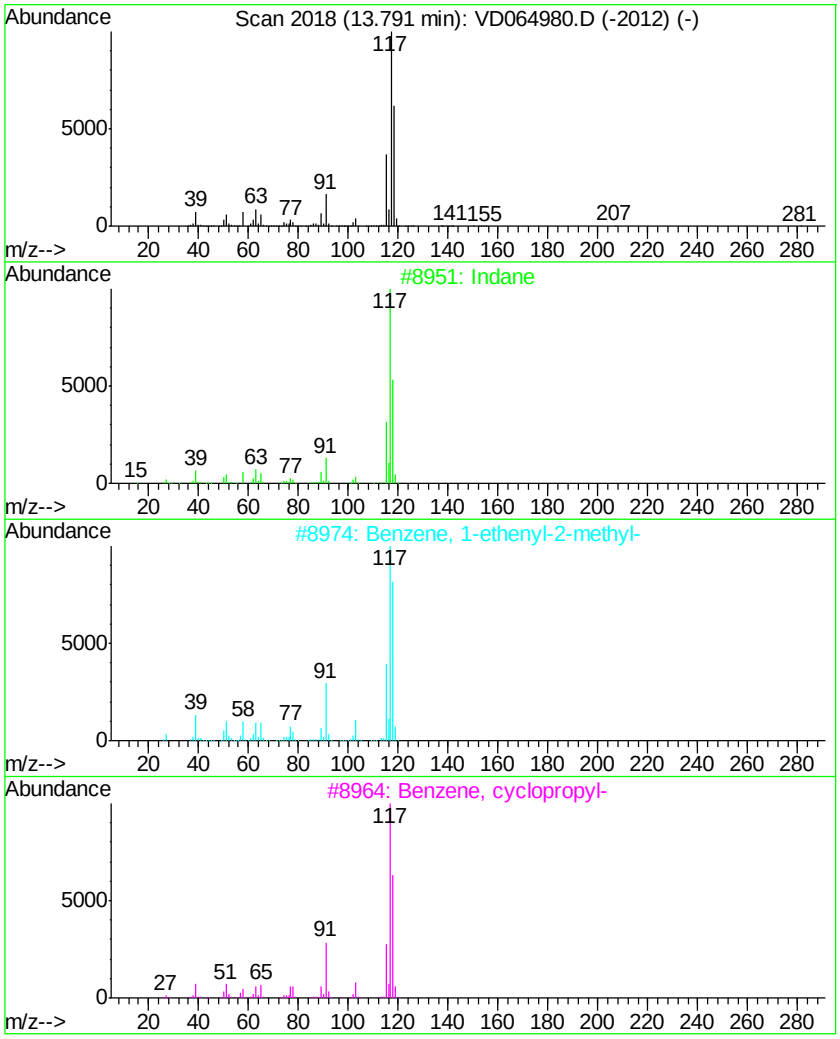
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

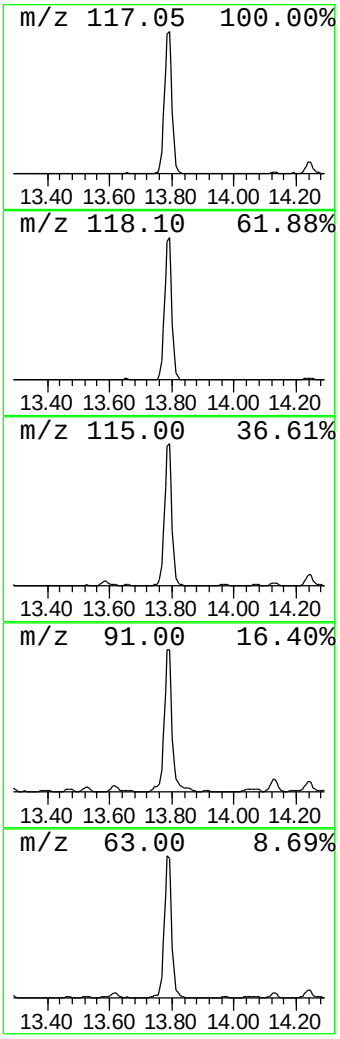
****

Peak Number 2 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	1347.44 ug/l	34077400	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	68
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	58
4	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	49





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
Data File : VD064980.D
Acq On : 28 Jan 2020 15:51
Operator : VA/SY
Sample : L1287-02
Misc : 6.78G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : AOC-3-EXC-PIT-(5)-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260

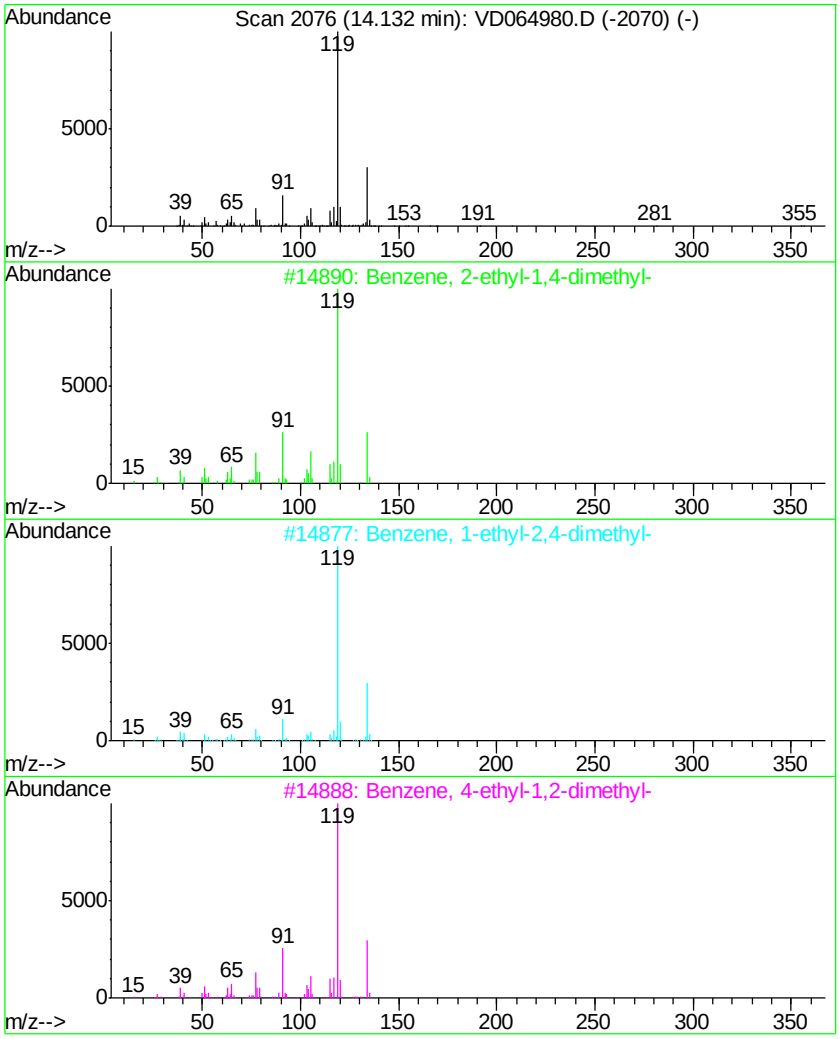
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

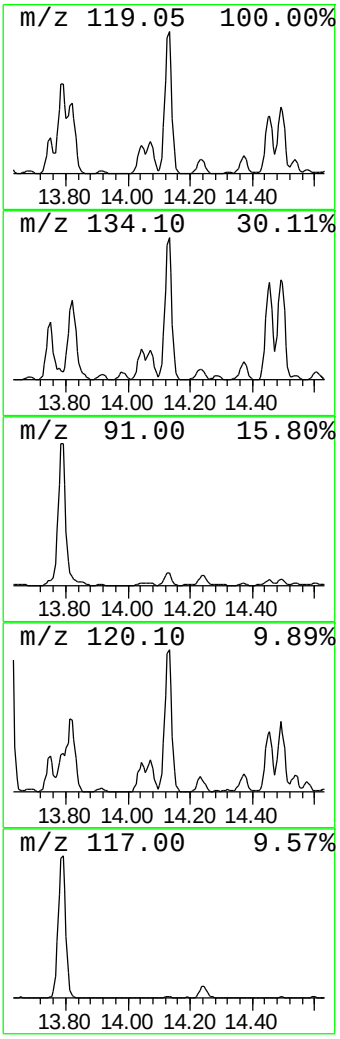
****

Peak Number 3 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	97.18 ug/l	2457680	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
Data File : VD064980.D
Acq On : 28 Jan 2020 15:51
Operator : VA/SY
Sample : L1287-02
Misc : 6.78G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : AOC-3-EXC-PIT-(5)-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260

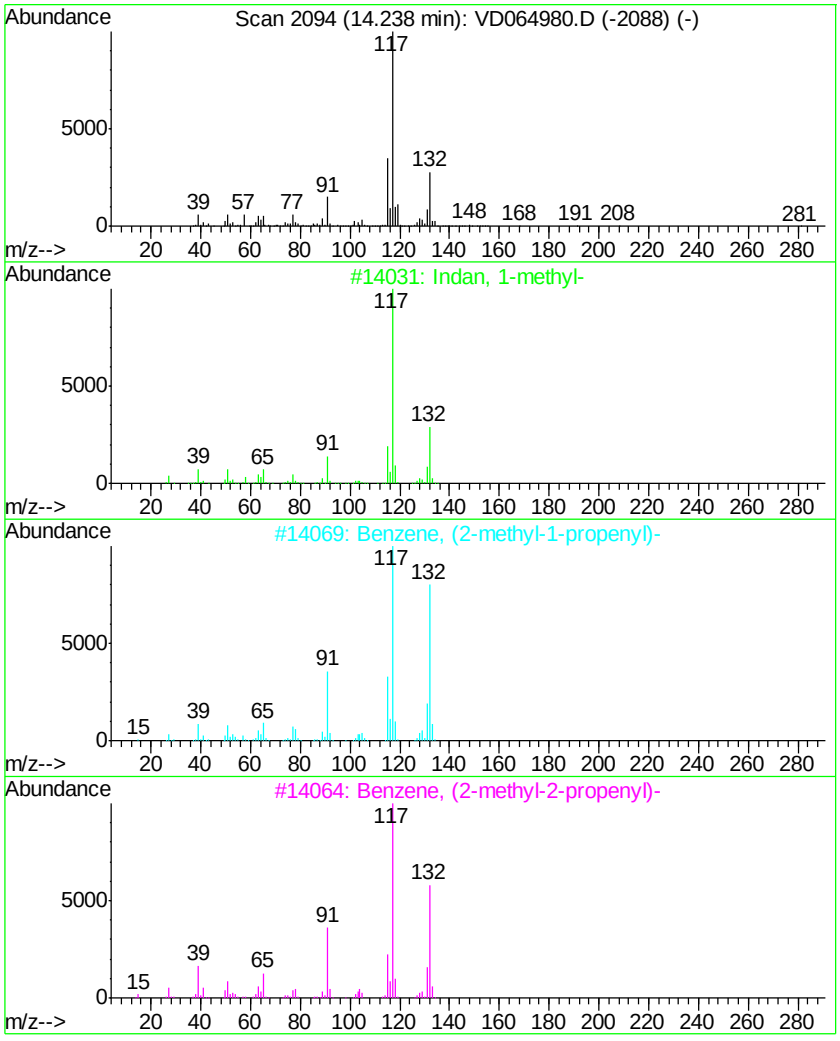
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

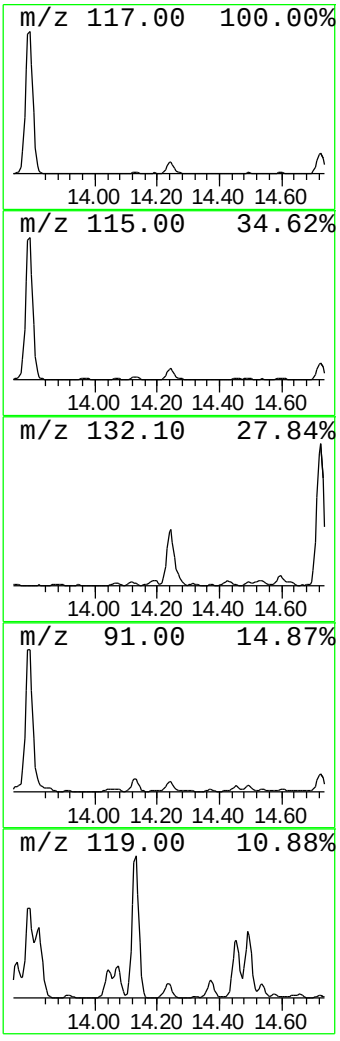
****

Peak Number 4 Indan, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	111.95 ug/l	2831210	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indan, 1-methyl-	132	C10H12	000767-58-8	87
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	80
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	80
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	80





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
Data File : VD064980.D
Acq On : 28 Jan 2020 15:51
Operator : VA/SY
Sample : L1287-02
Misc : 6.78G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : AOC-3-EXC-PIT-(5)-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260

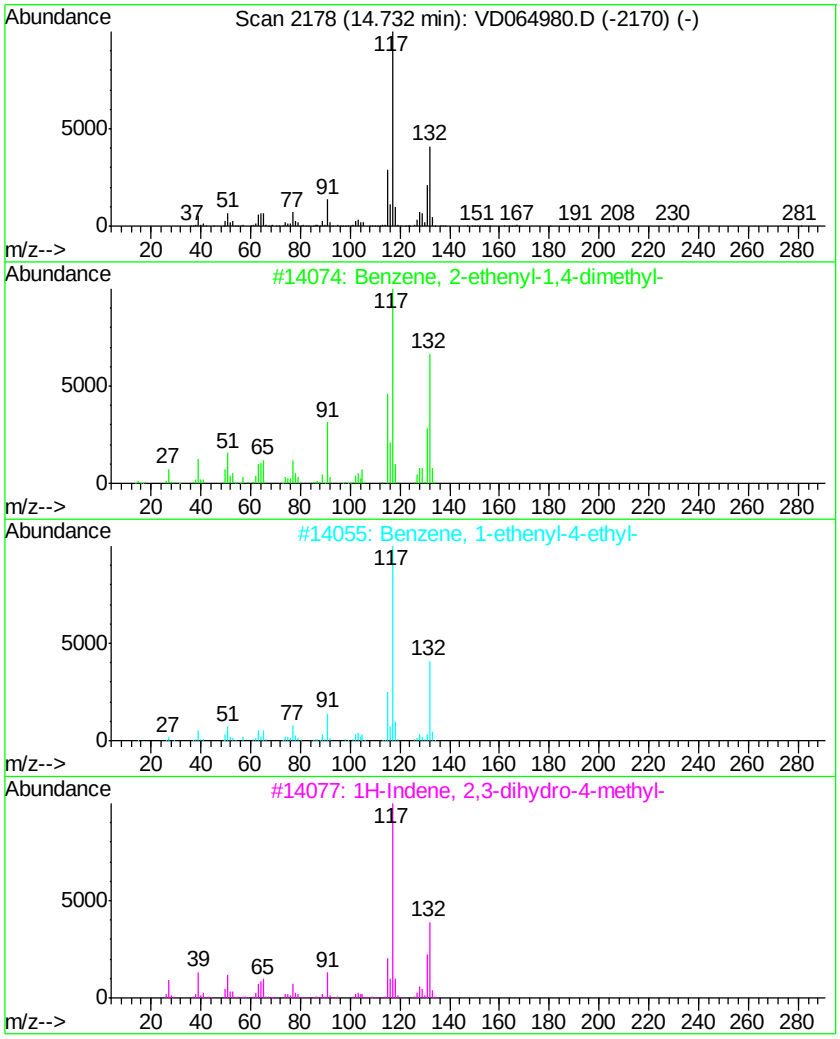
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

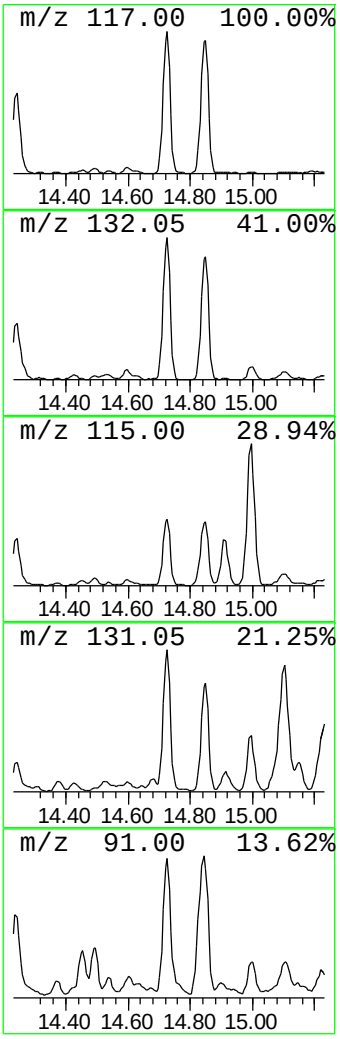
****

Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	191.49 ug/l	4842890	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	94
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
Data File : VD064980.D
Acq On : 28 Jan 2020 15:51
Operator : VA/SY
Sample : L1287-02
Misc : 6.78G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : AOC-3-EXC-PIT-(5)-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260

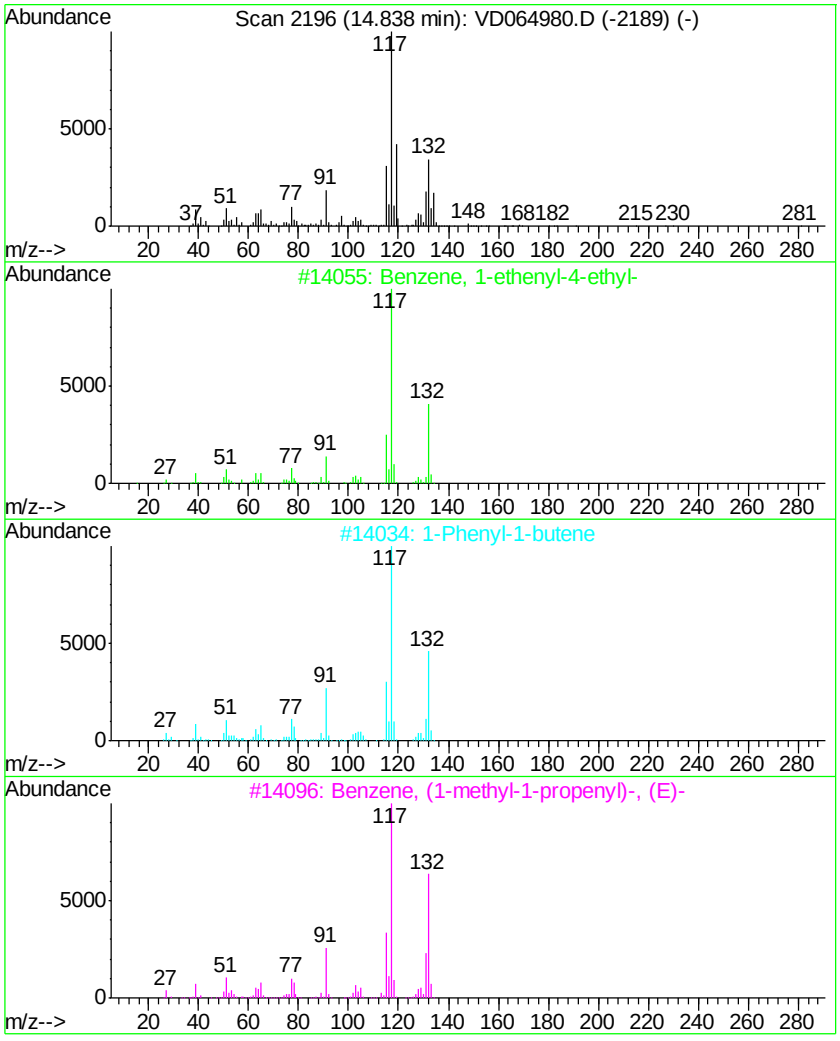
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

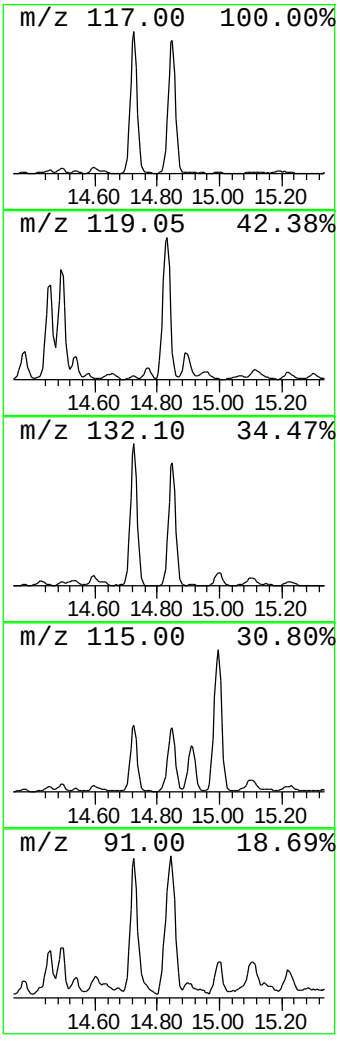
****

Peak Number 6 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	277.30 ug/l	7012940	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	90
5	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
Data File : VD064980.D
Acq On : 28 Jan 2020 15:51
Operator : VA/SY
Sample : L1287-02
Misc : 6.78G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : AOC-3-EXC-PIT-(5)-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260

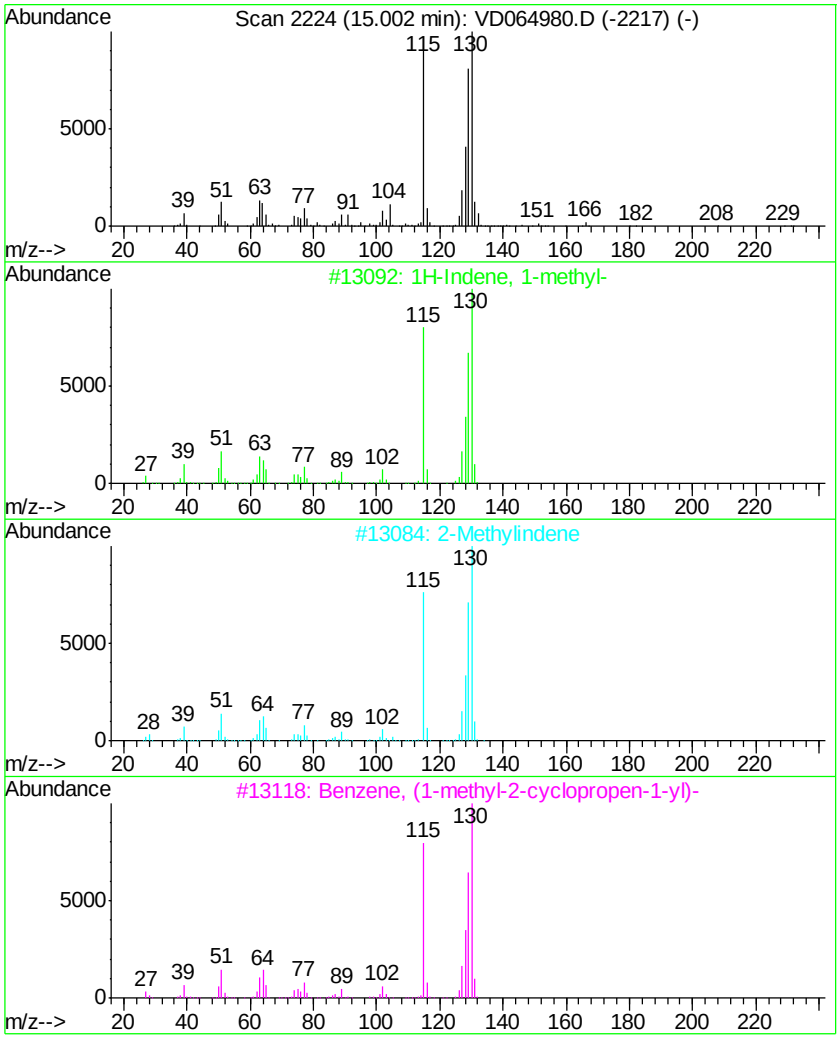
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

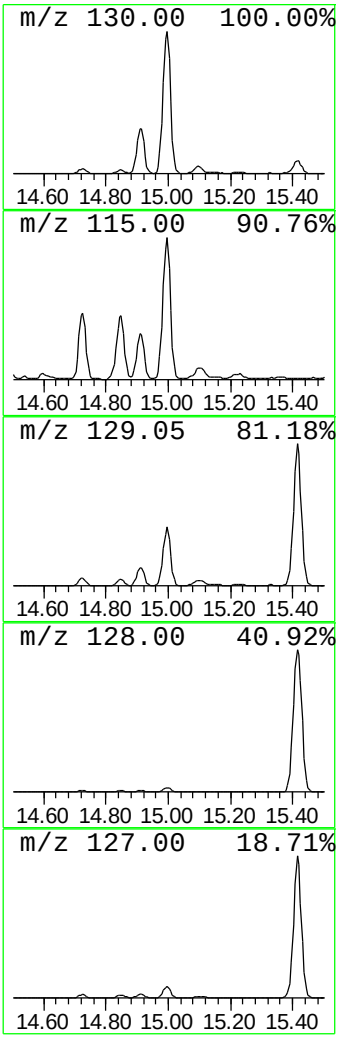
****

Peak Number 7 1H-Indene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	211.09 ug/l	5338650	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	2-Methylindene	130	C10H10	002177-47-1	96
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	94
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
Data File : VD064980.D
Acq On : 28 Jan 2020 15:51
Operator : VA/SY
Sample : L1287-02
Misc : 6.78G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : AOC-3-EXC-PIT-(5)-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260

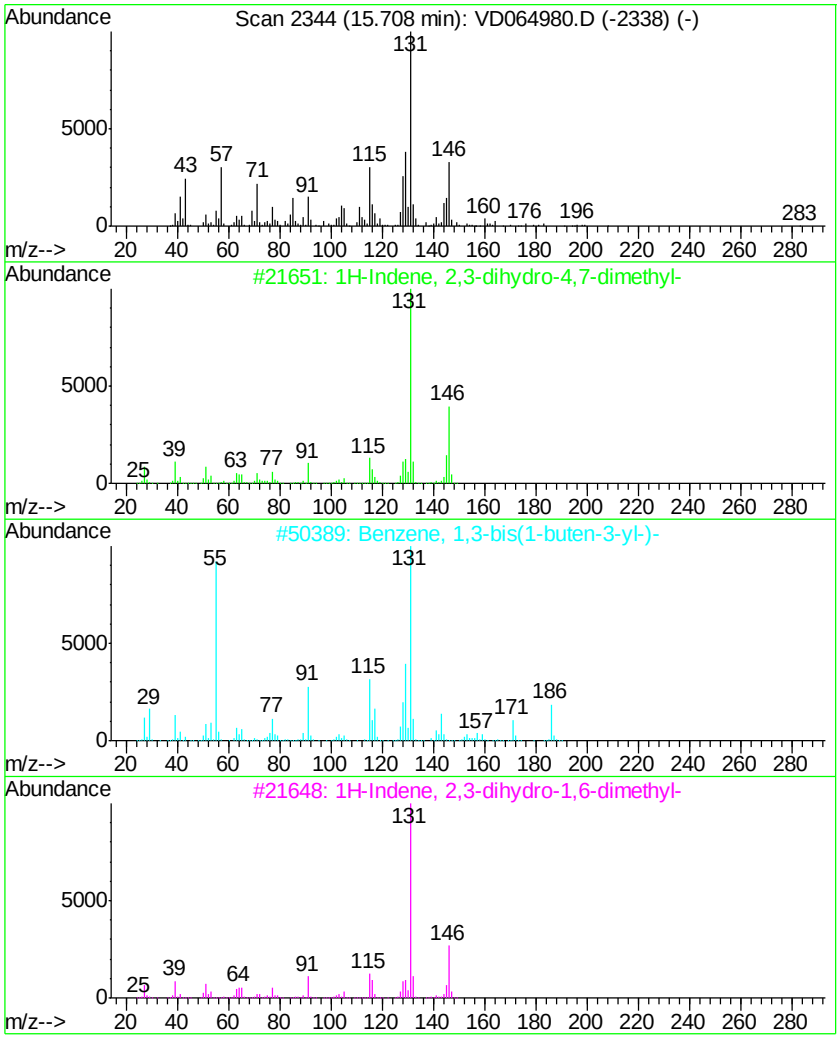
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

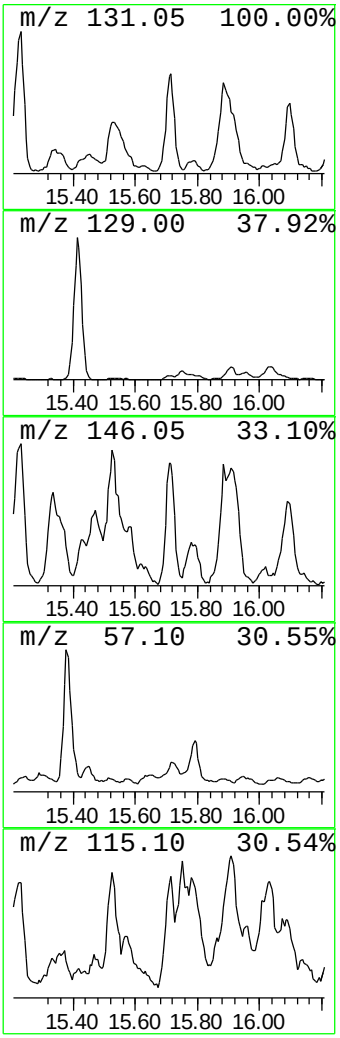
****

Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.71	63.45 ug/l	1604590	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
2	Benzene, 1,3-bis(1-buten-3-yl-)-	186	C14H18	158117-62-5	59
3	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	58
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	58
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012820\
Data File : VD064980.D
Acq On : 28 Jan 2020 15:51
Operator : VA/SY
Sample : L1287-02
Misc : 6.78G/5.00ml/MSVOA D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : AOC-3-EXC-PIT-(5)-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260

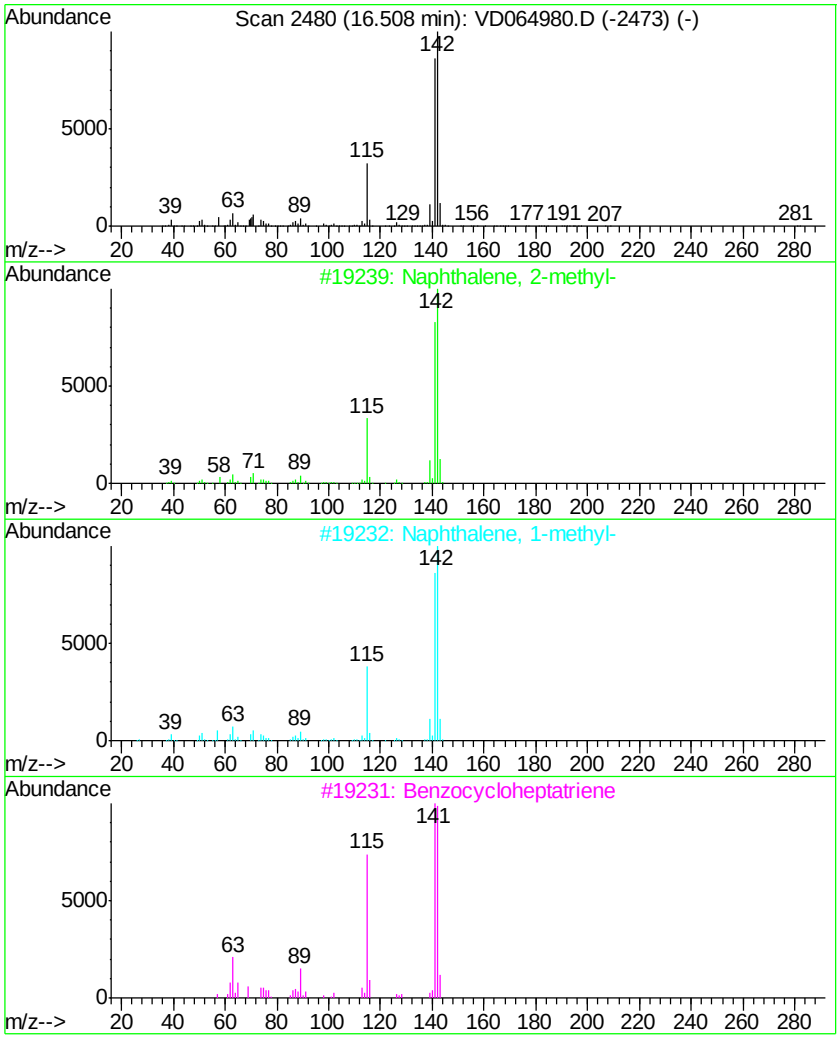
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

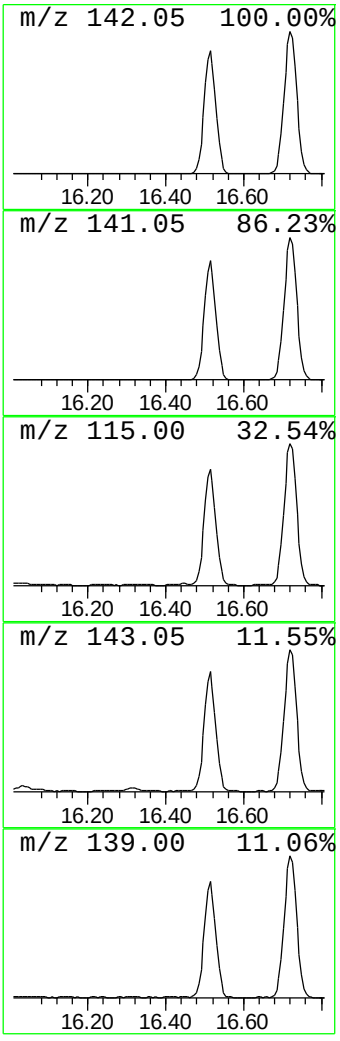
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.51	862.15 ug/l	21804200	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
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	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD012820\
Data File : VD064980.D
Acq On : 28 Jan 2020 15:51
Operator : VA/SY
Sample : L1287-02
Misc : 6.78G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : AOC-3-EXC-PIT-(5)-A

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.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-...	13.13	64.4	ug/l	1629150	4	13.58	1264530	50.0
Indane	13.79	1347.4	ug/l	34077400	4	13.58	1264530	50.0
Benzene, 2-ethyl-...	14.13	97.2	ug/l	2457680	4	13.58	1264530	50.0
Indan, 1-methyl-	14.24	112.0	ug/l	2831210	4	13.58	1264530	50.0
Benzene, 2-etheny...	14.73	191.5	ug/l	4842890	4	13.58	1264530	50.0
Benzene, 1-etheny...	14.84	277.3	ug/l	7012940	4	13.58	1264530	50.0
1H-Indene, 1-methyl-	15.00	211.1	ug/l	5338650	4	13.58	1264530	50.0
1H-Indene, 2,3-di...	15.71	63.5	ug/l	1604590	4	13.58	1264530	50.0
Naphthalene, 1-me...	16.51	862.1	ug/l	21804200	4	13.58	1264530	50.0