LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
Data File : VY001612.D
Acq On : 12 Feb 2020 14:47
Operator : SY/MD
Sample : L1509-02
Misc : 6.69G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : AOC-3-SP-C

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\82Y020420S.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	4.755	482	495	506	rBV	12373	38036	1.28%	0.228%
2	7.742	976	985	991	rBV	118086	284928	9.61%	1.708%
3	7.815	991	997	1008	rVB	216427	482301	16.27%	2.892%
4	8.169	1045	1055	1069	rBV	125710	275048	9.28%	1.649%
5	8.711	1135	1144	1155	rBV	347659	686542	23.16%	4.116%
6	10.193	1380	1387	1404	rVB	557609	975778	32.92%	5.850%
7	11.503	1595	1602	1612	rBV	479753	786686	26.54%	4.717%
8	11.607	1612	1619	1628	rBV	46067	85583	2.89%	0.513%
9	11.711	1628	1636	1640	rBV3	16556	43199	1.46%	0.259%
10	12.040	1678	1690	1698	rBV3	50073	145881	4.92%	0.875%
11	12.217	1714	1719	1721	rVV2	25209	40187	1.36%	0.241%
12	12.247	1721	1724	1729	rVB3	19331	35118	1.18%	0.211%
13	12.345	1735	1740	1745	rBV3	25467	41860	1.41%	0.251%
14	12.400	1745	1749	1757	rVB7	14061	33983	1.15%	0.204%
15	12.491	1757	1764	1771	rVB2	346437	578170	19.50%	3.466%
16	12.589	1771	1780	1784	rBV8	20219	55358	1.87%	0.332%
17	12.656	1784	1791	1798	rVB3	50886	119248	4.02%	0.715%
18	12.747	1798	1806	1808	rBV2	49292	94515	3.19%	0.567%
19	12.778	1808	1811	1815	rVV	106121	169772	5.73%	1.018%
20	12.826	1815	1819	1829	rVV	137221	257986	8.70%	1.547%
21	12.924	1830	1835	1839	rVV3	44269	68522	2.31%	0.411%
22	12.985	1839	1845	1852	rVV	108254	194989	6.58%	1.169%
23	13.052	1852	1856	1858	rVV2	49944	73374	2.48%	0.440%
24	13.082	1858	1861	1865	rVV	70582	97186	3.28%	0.583%
25	13.131	1865	1869	1873	rVB	25951	36068	1.22%	0.216%
26	13.186	1873	1878	1883	rBV2	33361	57434	1.94%	0.344%
27	13.296	1888	1896	1899	rBV	97395	184957	6.24%	1.109%
28	13.326	1899	1901	1905	rVB2	85819	103833	3.50%	0.623%
29	13.381	1905	1910	1913	rBV	62597	91381	3.08%	0.548%
30	13.436	1913	1919	1923	rBV	378589	682175	23.01%	4.090%
31	13.607	1938	1947	1948	rBV2	103250	158335	5.34%	0.949%
32	13.637	1948	1952	1957	rVV	559314	862383	29.09%	5.170%
33	13.759	1967	1972	1977	rBV3	73536	127170	4.29%	0.762%
34	13.826	1978	1983	1988	rVV4	28516	61870	2.09%	0.371%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
Data File : VY001612.D
Acq On : 12 Feb 2020 14:47
Operator : SY/MD
Sample : L1509-02
Misc : 6.69G/5ML/MSVOA Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : AOC-3-SP-C

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\82Y020420S.M
Title : SW846 8260

35	13.924	1996	1999	2004	rVB2	49170	67076	2.26%	0.402%
36	13.985	2004	2009	2014	rBV	216903	306539	10.34%	1.838%
37	14.094	2021	2027	2031	rBV	239099	383998	12.95%	2.302%
38	14.143	2031	2035	2042	rVB5	57133	123925	4.18%	0.743%
39	14.222	2042	2048	2052	rBV3	41737	86392	2.91%	0.518%
40	14.271	2052	2056	2059	rBV3	50512	91502	3.09%	0.549%
41	14.308	2059	2062	2065	rVV2	99010	131641	4.44%	0.789%
42	14.351	2065	2069	2073	rVB	142147	197275	6.66%	1.183%
43	14.393	2073	2076	2080	rBV2	63384	94735	3.20%	0.568%
44	14.436	2080	2083	2085	rBV3	42068	56460	1.90%	0.339%
45	14.576	2101	2106	2111	rBV	191163	294414	9.93%	1.765%
46	14.631	2111	2115	2119	rVB3	36861	48076	1.62%	0.288%
47	14.698	2119	2126	2131	rBV3	355203	762491	25.72%	4.572%
48	14.747	2131	2134	2141	rVB5	118309	212098	7.16%	1.272%
49	14.844	2145	2150	2156	rVV	298168	451797	15.24%	2.709%
50	14.954	2161	2168	2173	rBV3	162682	311156	10.50%	1.866%
51	15.070	2182	2187	2195	rBV3	80927	162180	5.47%	0.972%
52	15.247	2208	2216	2221	rBV2	153415	388641	13.11%	2.330%
53	15.356	2230	2234	2239	rBV5	62880	126085	4.25%	0.756%
54	15.539	2258	2264	2271	rBV6	74354	223184	7.53%	1.338%
55	15.619	2273	2277	2282	rVB5	101252	191229	6.45%	1.147%
56	16.173	2364	2368	2374	rBV2	110071	186236	6.28%	1.117%
57	16.247	2375	2380	2385	rVV2	106552	219017	7.39%	1.313%
58	16.307	2385	2390	2401	rVB	282636	568886	19.19%	3.411%
59	16.509	2415	2423	2436	rVB	1336695	2964224	100.00%	17.772%

Sum of corrected areas: 16679113

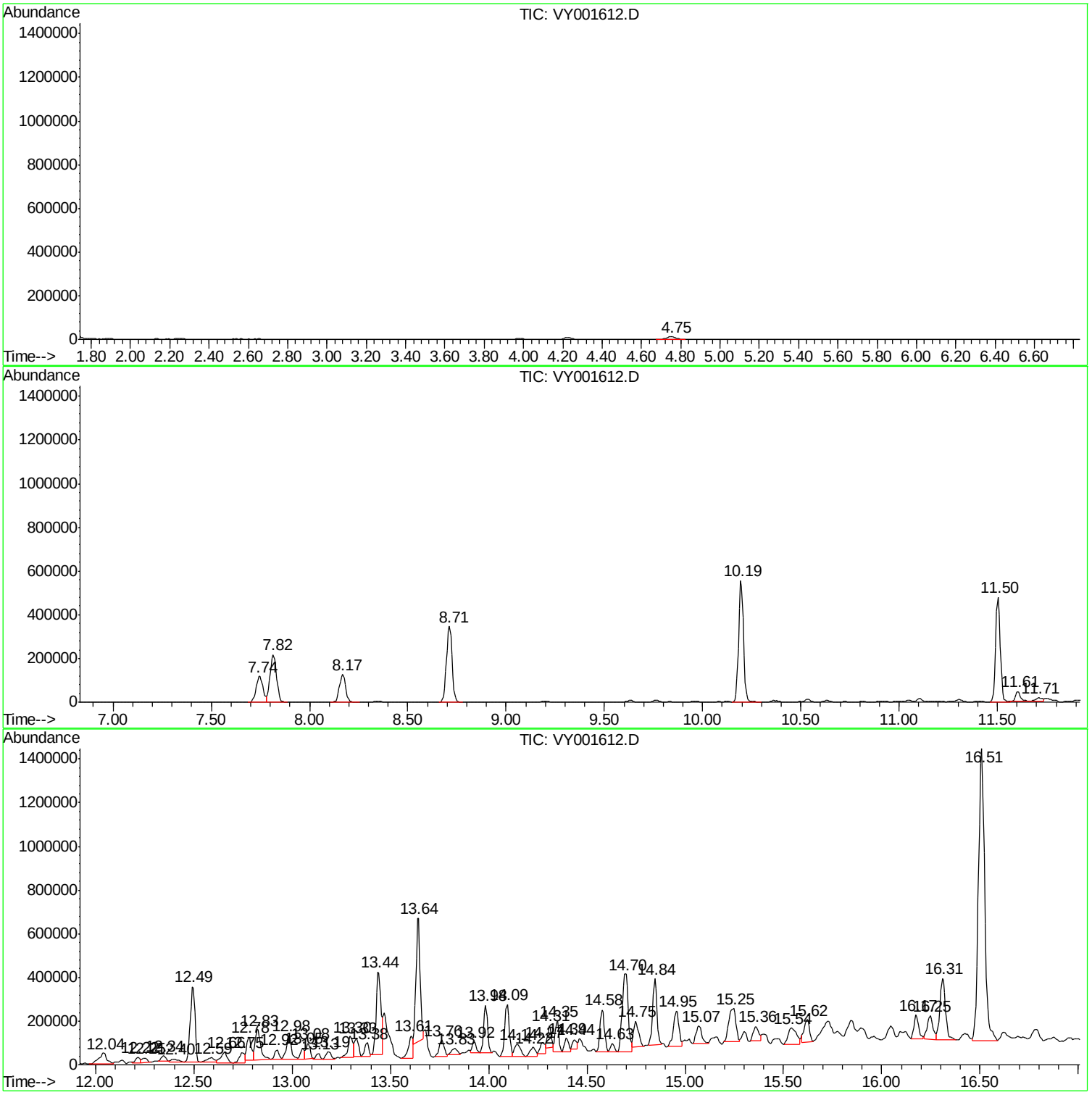
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001612.D
Acq On : 12 Feb 2020 14:47
Operator : SY/MD
Sample : L1509-02
Misc : 6.69G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
AOC-3-SP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.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\VY021220\
Data File : VY001612.D
Acq On : 12 Feb 2020 14:47
Operator : SY/MD
Sample : L1509-02
Misc : 6.69G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : AOC-3-SP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260

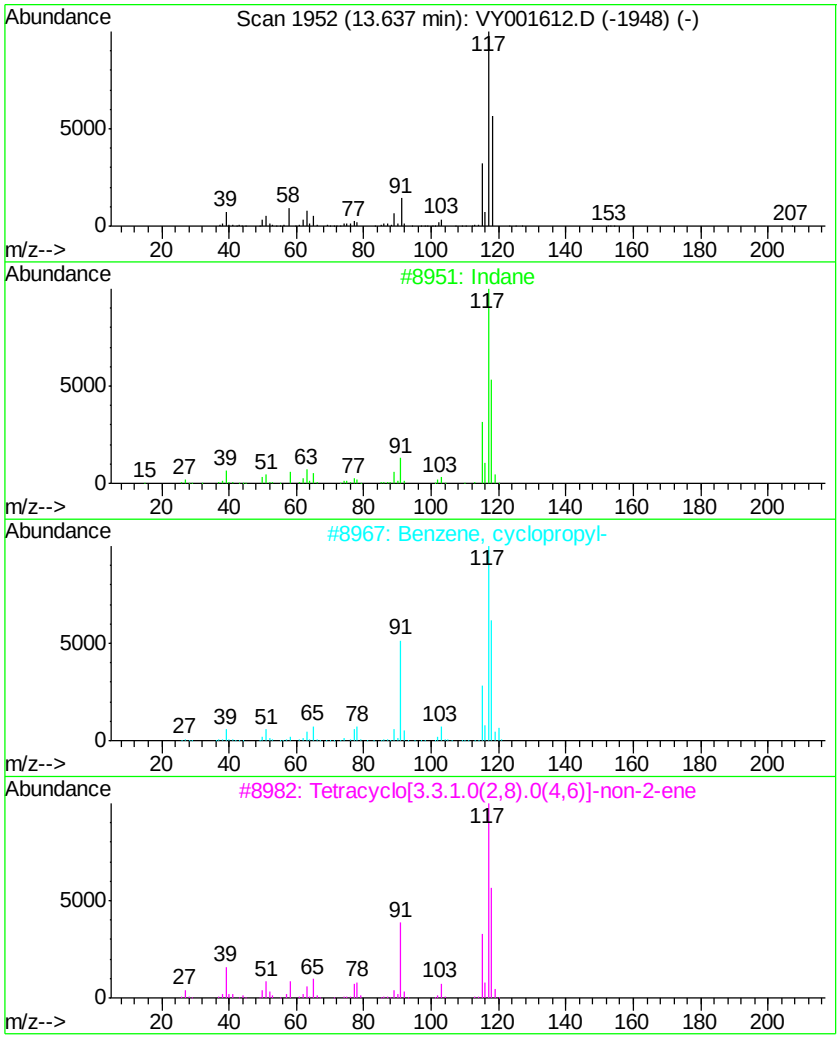
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

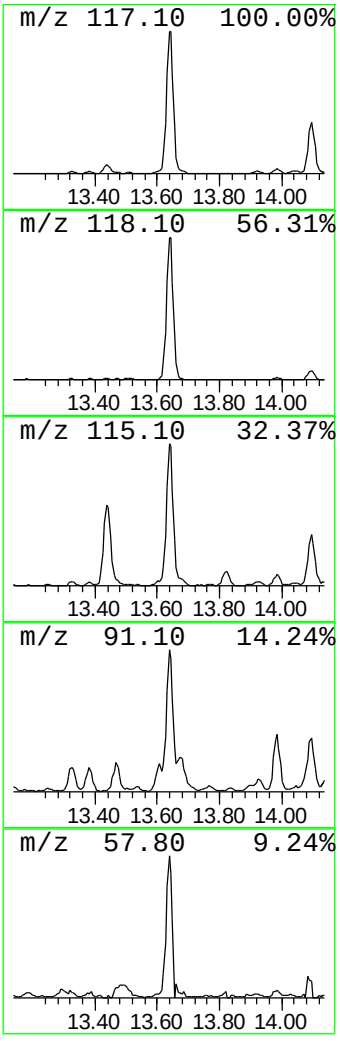
****

Peak Number 1 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	63.21 ug/l	862383	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	72
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001612.D
Acq On : 12 Feb 2020 14:47
Operator : SY/MD
Sample : L1509-02
Misc : 6.69G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : AOC-3-SP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260

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

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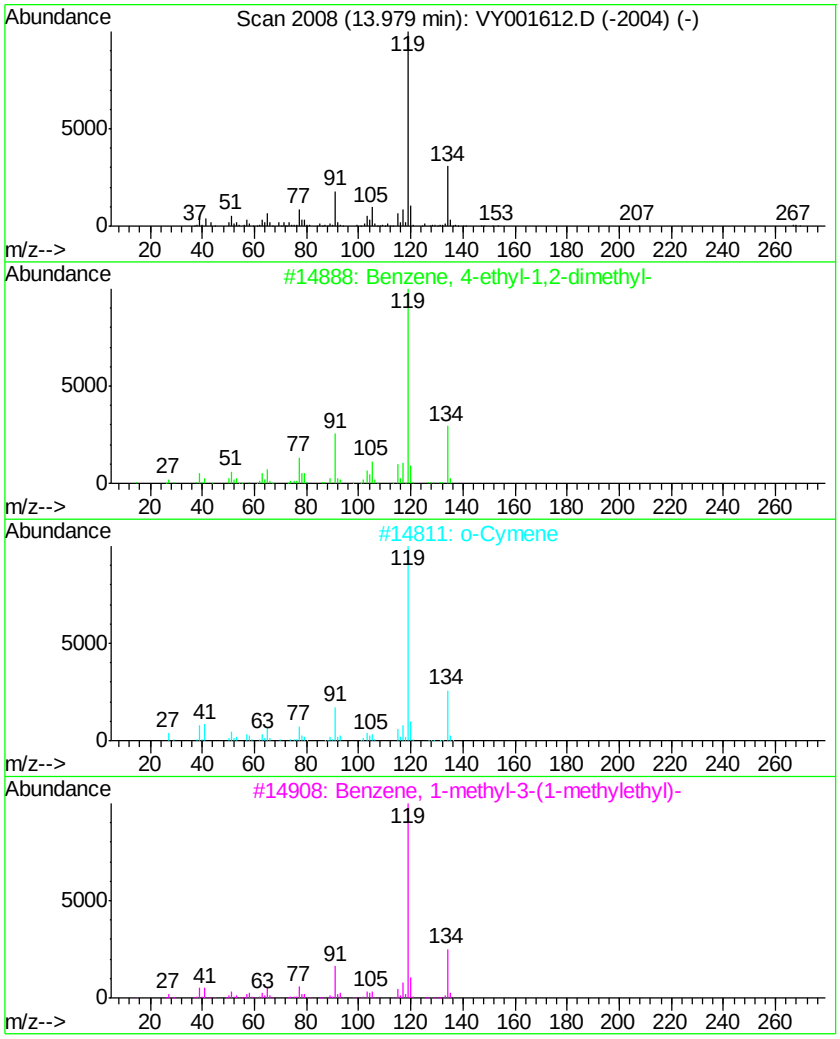
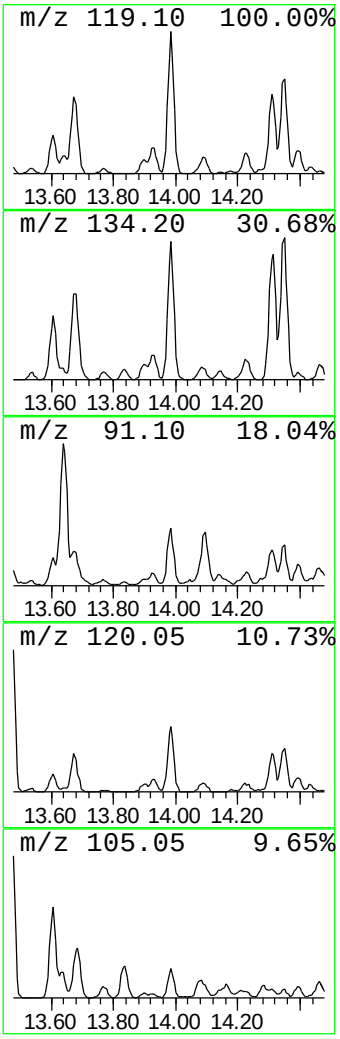
Peak Number 2 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	22.47 ug/l	306539	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001612.D
Acq On : 12 Feb 2020 14:47
Operator : SY/MD
Sample : L1509-02
Misc : 6.69G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : AOC-3-SP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260

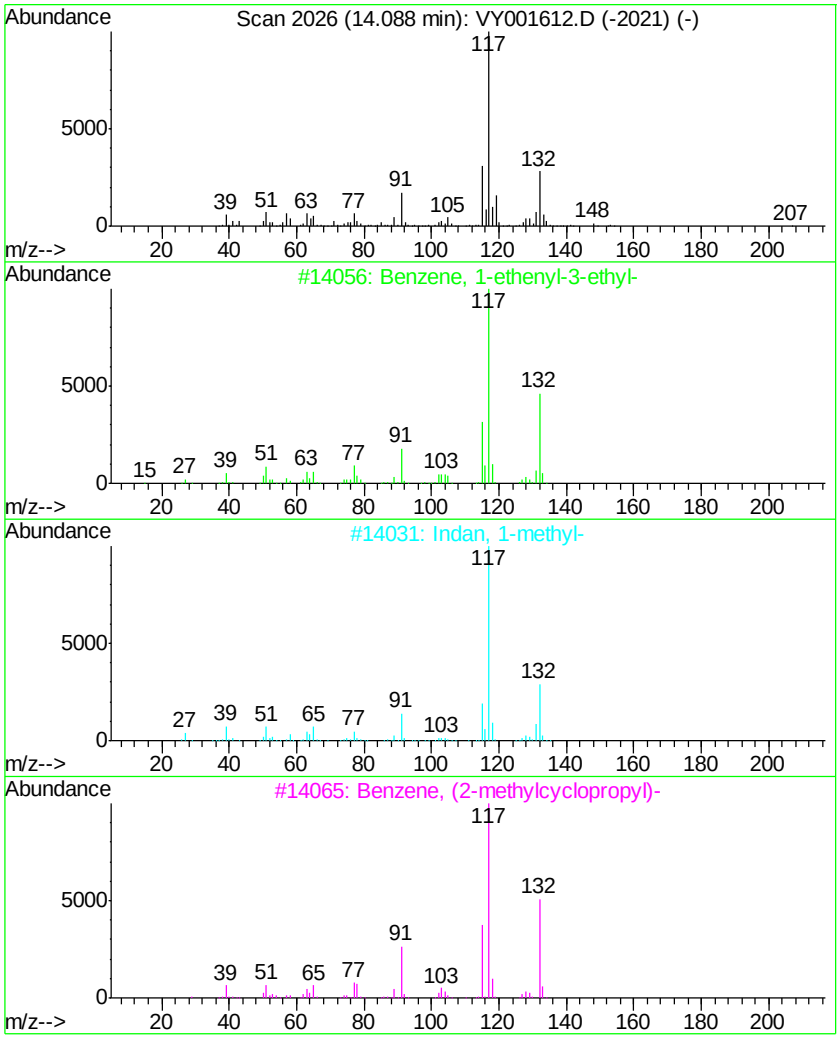
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

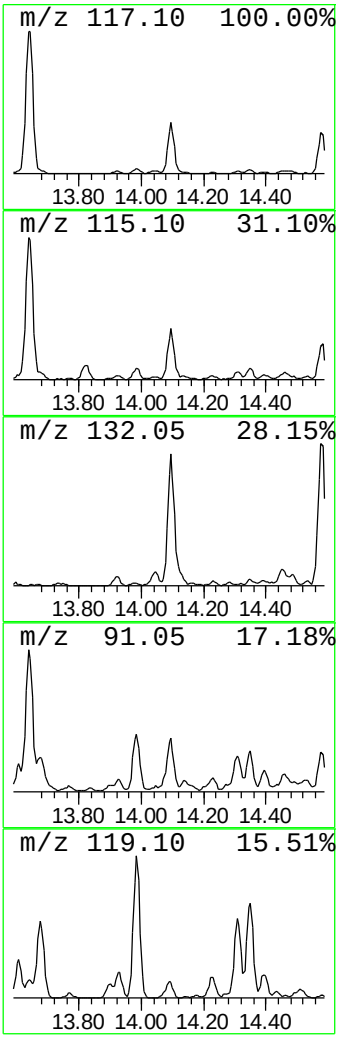
****

Peak Number 3 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	28.15 ug/l	383998	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	83
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	83





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001612.D
Acq On : 12 Feb 2020 14:47
Operator : SY/MD
Sample : L1509-02
Misc : 6.69G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : AOC-3-SP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260

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

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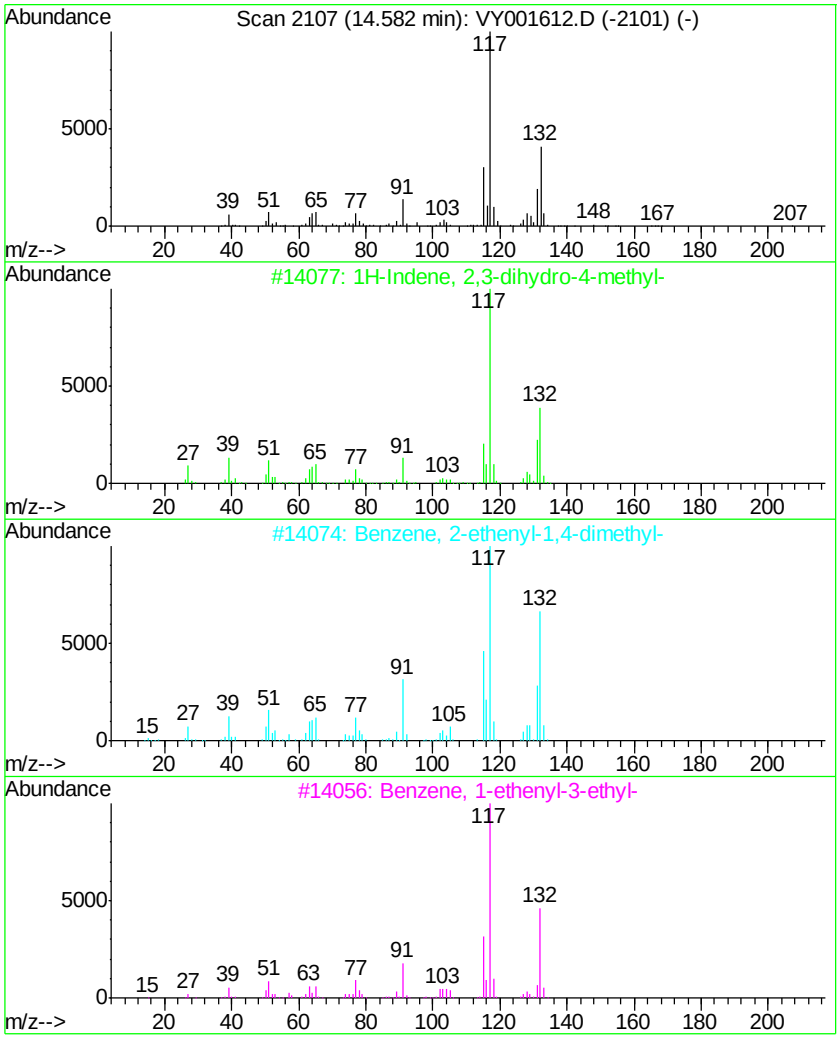
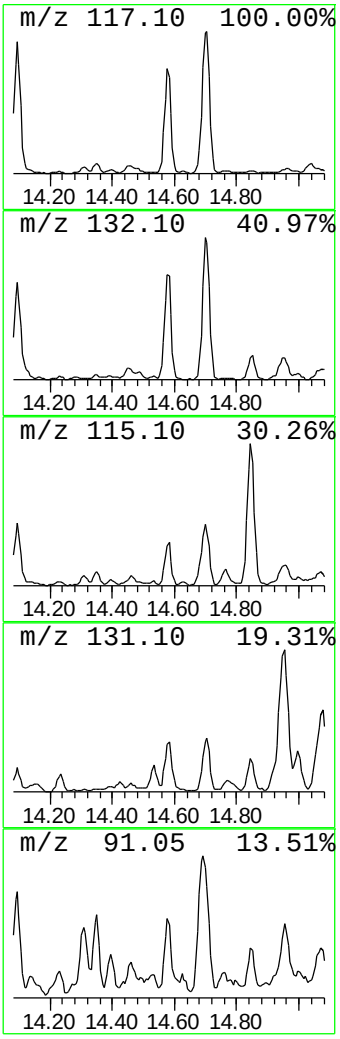
Peak Number 4 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	21.58 ug/l	294414	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
4	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	90
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001612.D
Acq On : 12 Feb 2020 14:47
Operator : SY/MD
Sample : L1509-02
Misc : 6.69G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : AOC-3-SP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260

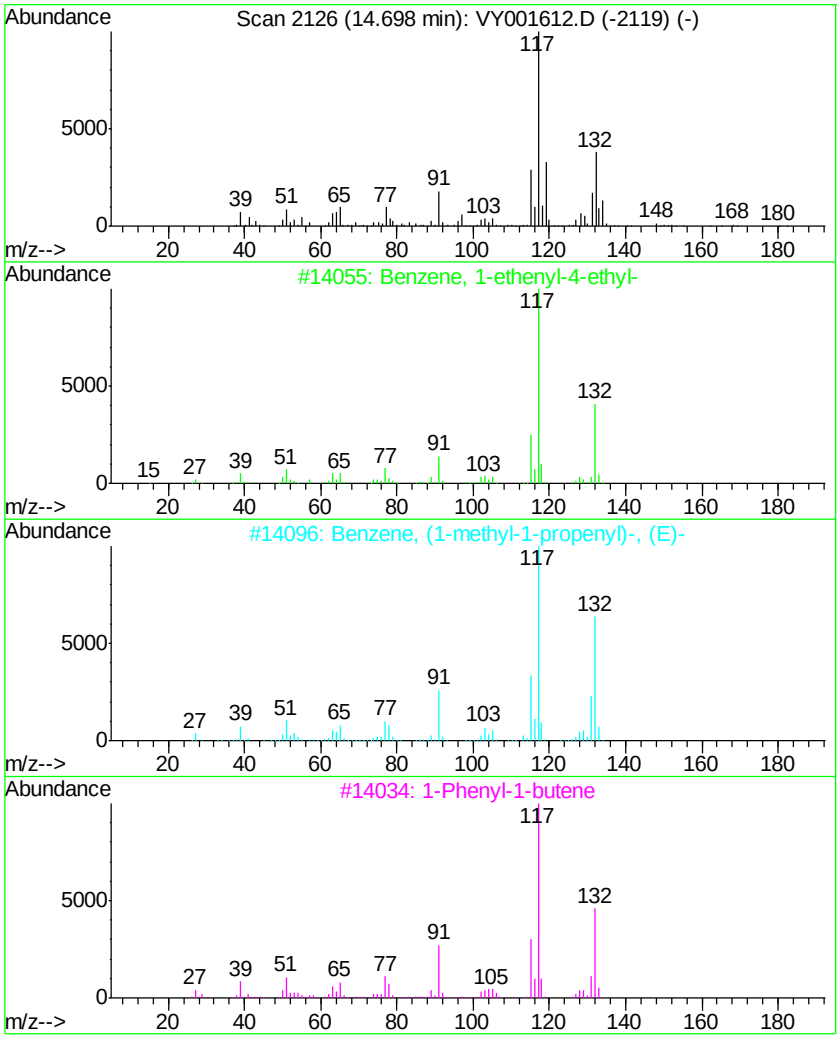
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

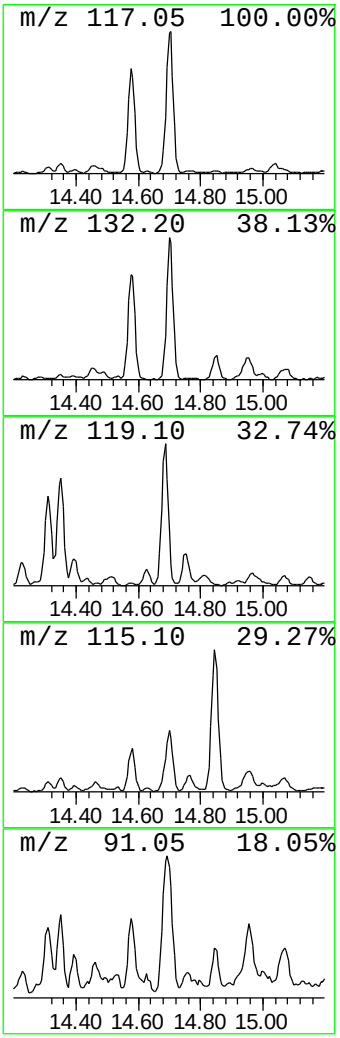
****

Peak Number 5 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.70	55.89 ug/l	762491	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
2	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	81
3	1-Phenyl-1-butene	132	C10H12	000824-90-8	81
4	Indan, 1-methyl-	132	C10H12	000767-58-8	81
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001612.D
Acq On : 12 Feb 2020 14:47
Operator : SY/MD
Sample : L1509-02
Misc : 6.69G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : AOC-3-SP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260

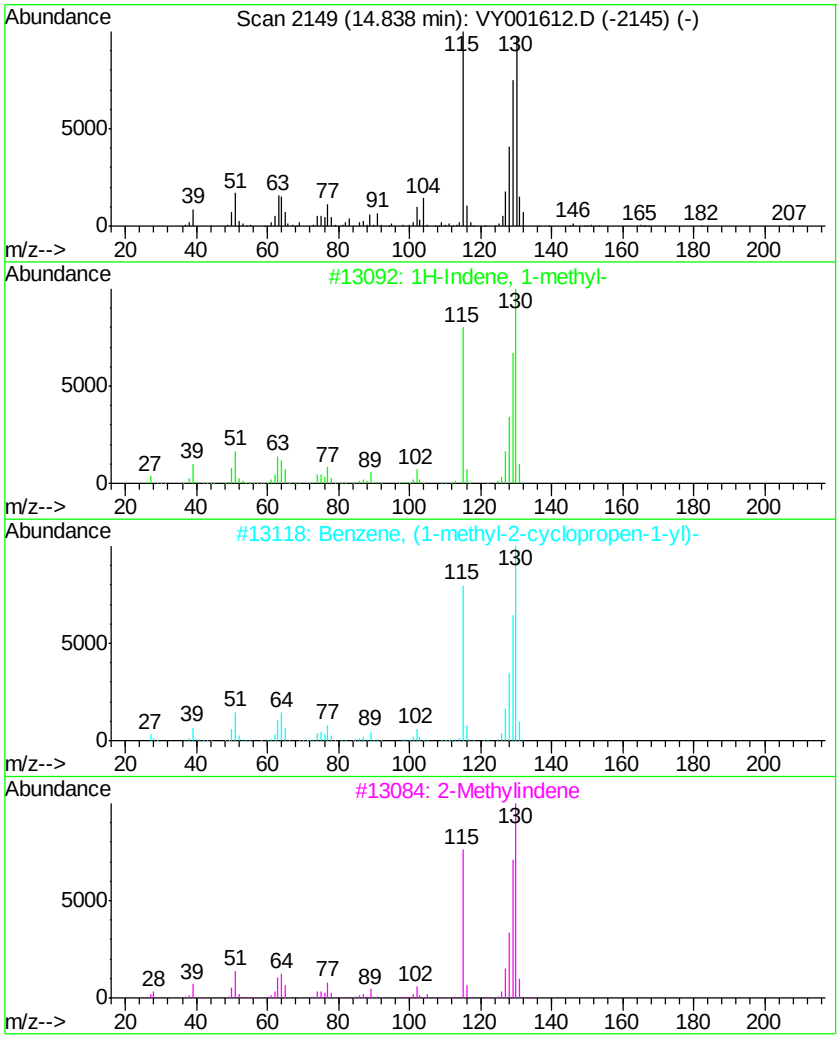
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

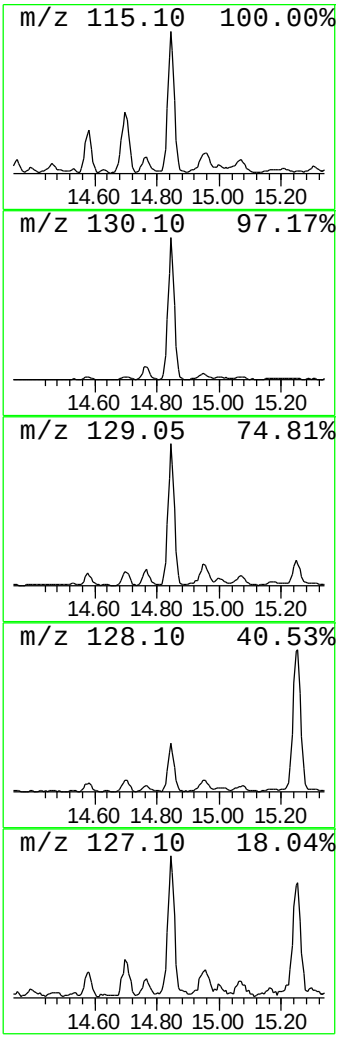
****

Peak Number 6 1H-Indene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	33.11 ug/l	451797	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	97
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
3	2-Methylindene	130	C10H10	002177-47-1	95
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001612.D
Acq On : 12 Feb 2020 14:47
Operator : SY/MD
Sample : L1509-02
Misc : 6.69G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : AOC-3-SP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260

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

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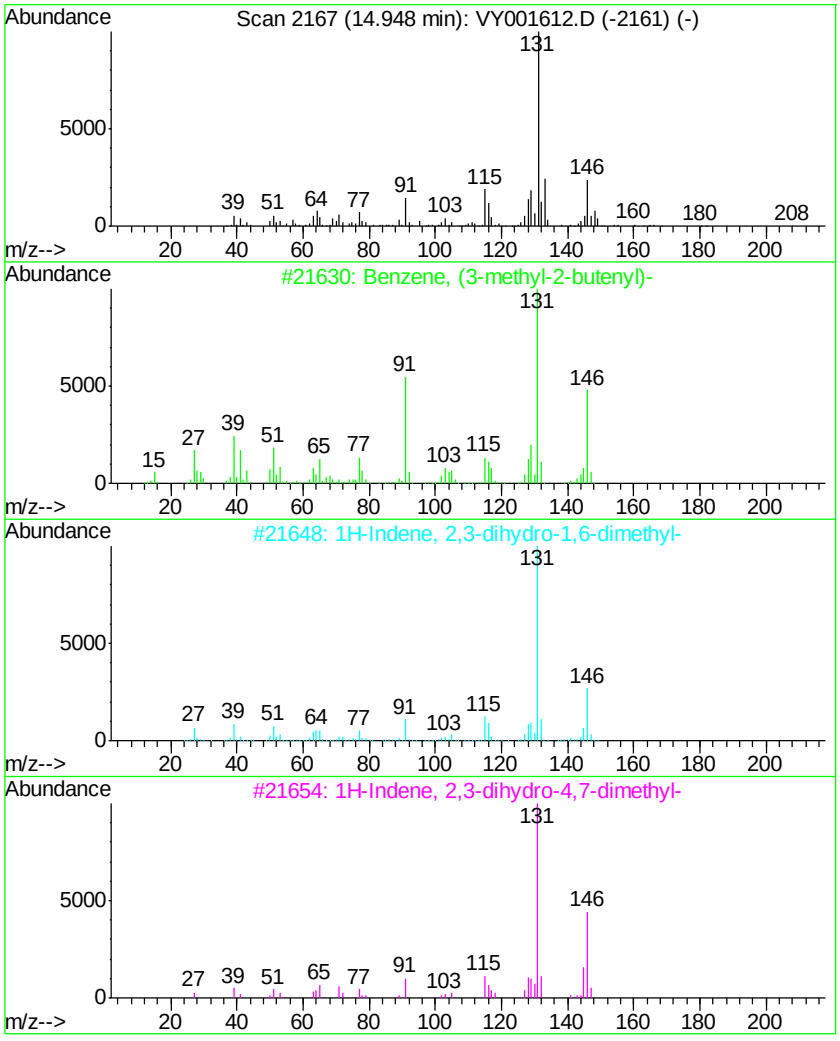
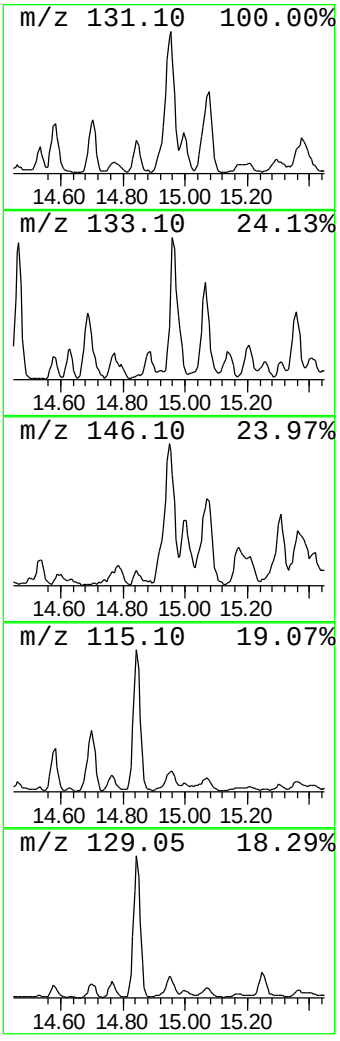
Peak Number 7 Benzene, (3-methyl-2-butenyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	22.81 ug/l	311156	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	86
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
4	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	70
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001612.D
Acq On : 12 Feb 2020 14:47
Operator : SY/MD
Sample : L1509-02
Misc : 6.69G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : AOC-3-SP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260

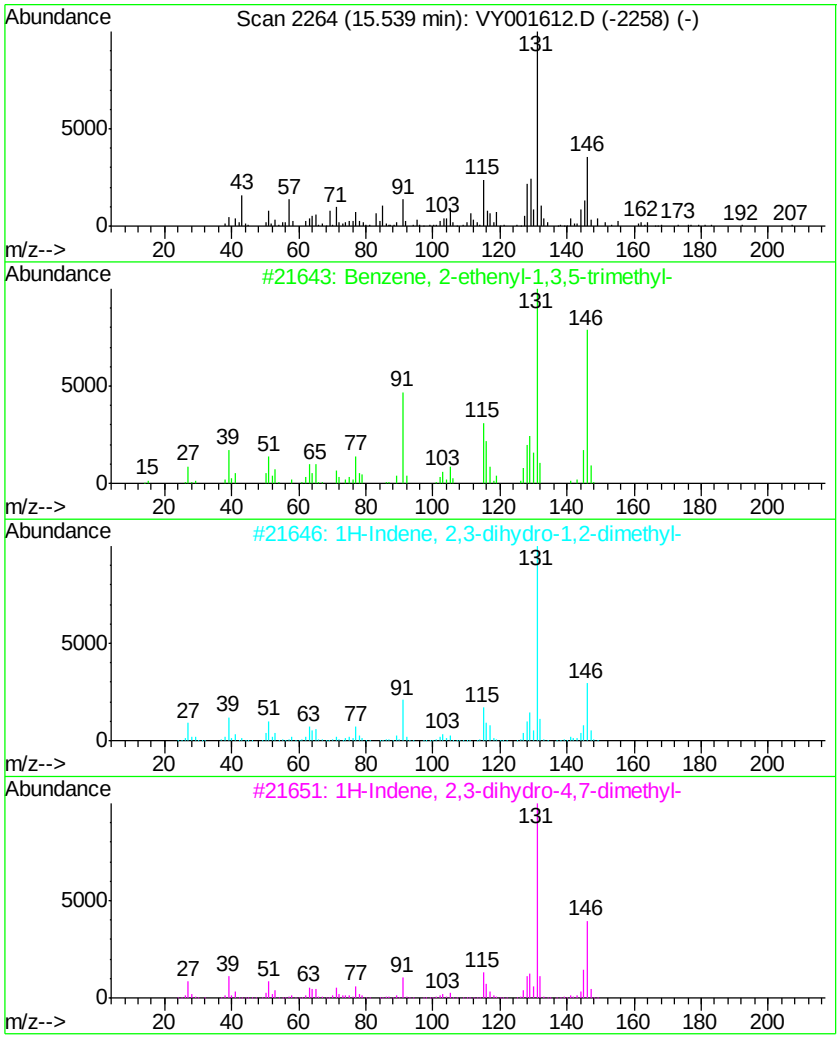
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

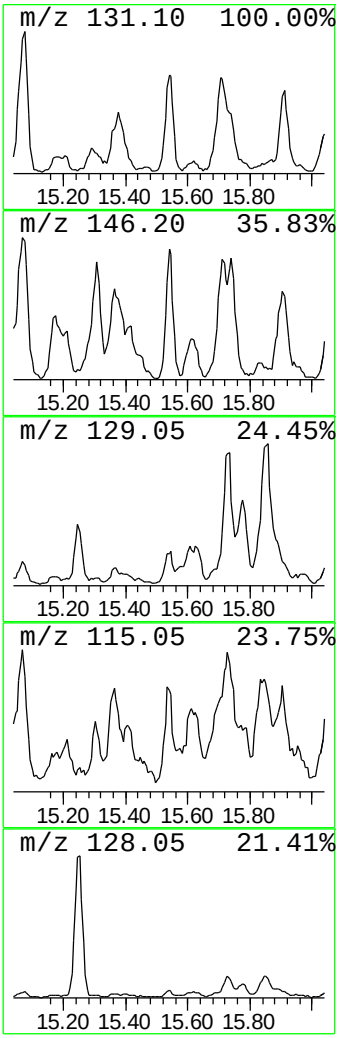
****

Peak Number 8 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	16.36 ug/l	223184	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	83
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	76
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	76
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	72
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001612.D
Acq On : 12 Feb 2020 14:47
Operator : SY/MD
Sample : L1509-02
Misc : 6.69G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : AOC-3-SP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.M
Quant Title : SW846 8260

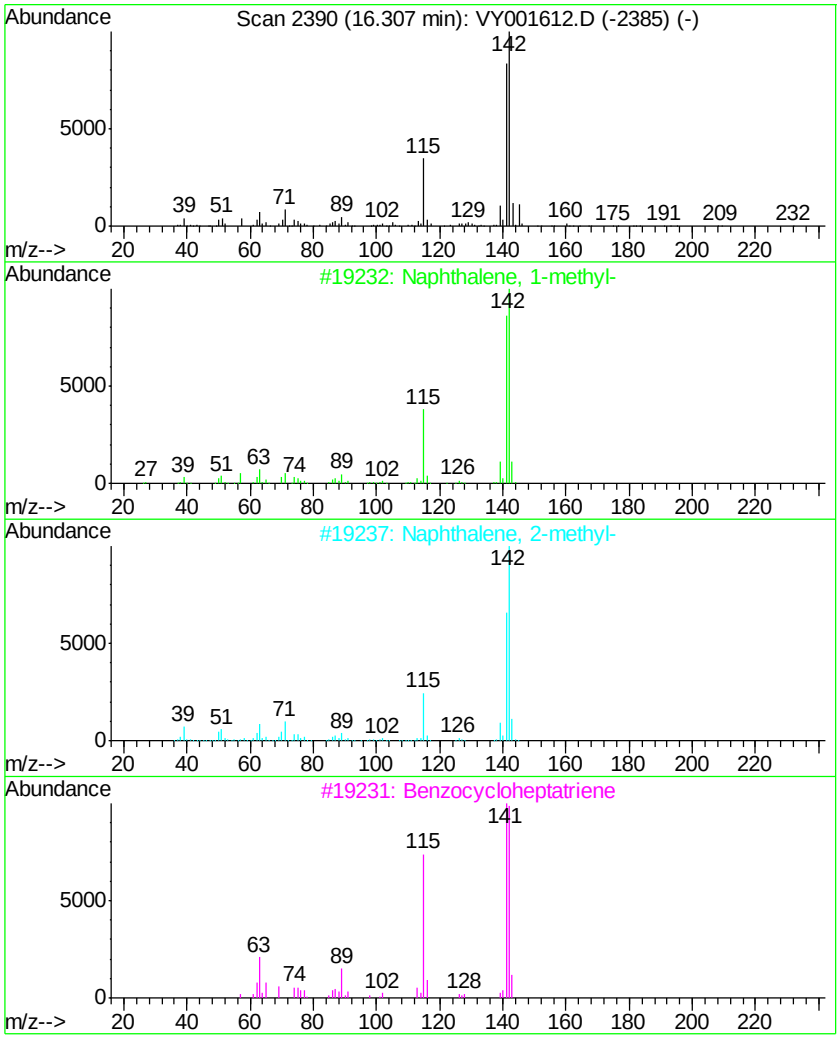
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

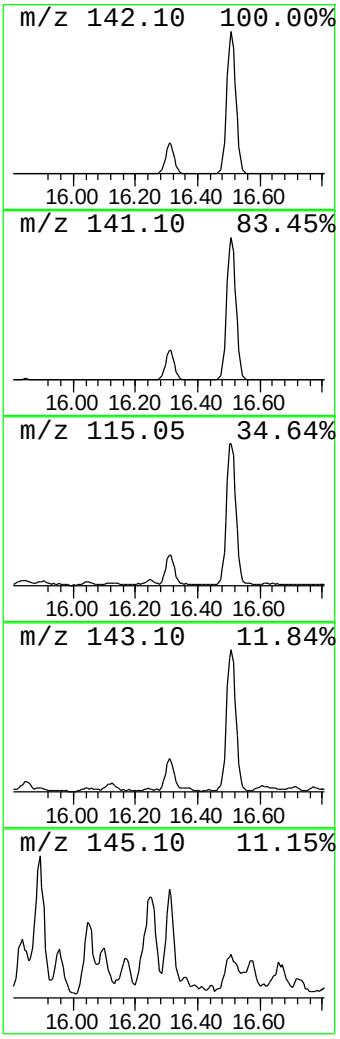
****

Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.31	41.70 ug/l	568886	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
3	Benzocycloheptatriene	142	C11H10	000264-09-5	90
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
5	1-Naphthaleneacetamide	185	C12H11NO	000086-86-2	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001612.D
Acq On : 12 Feb 2020 14:47
Operator : SY/MD
Sample : L1509-02
Misc : 6.69G/5ML/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : AOC-3-SP-C

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y020420S.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
Indane	13.64	63.2	ug/l	862383	4	13.44	682175	50.0
Benzene, 4-ethyl-...	13.98	22.5	ug/l	306539	4	13.44	682175	50.0
Benzene, 1-etheny...	14.09	28.1	ug/l	383998	4	13.44	682175	50.0
1H-Indene, 2,3-di...	14.58	21.6	ug/l	294414	4	13.44	682175	50.0
Benzene, 1-etheny...	14.70	55.9	ug/l	762491	4	13.44	682175	50.0
1H-Indene, 1-methyl-	14.84	33.1	ug/l	451797	4	13.44	682175	50.0
Benzene, (3-methy...	14.95	22.8	ug/l	311156	4	13.44	682175	50.0
Benzene, 2-etheny...	15.54	16.4	ug/l	223184	4	13.44	682175	50.0
Naphthalene, 1-me...	16.31	41.7	ug/l	568886	4	13.44	682175	50.0