LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
Data File : VY001613.D
Acq On : 12 Feb 2020 15:09
Operator : SY/MD
Sample : L1509-04
Misc : 7.11G/5ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

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	4.749	484	494	506	rVB3	8270	25500	2.74%	0.229%
2	7.742	975	985	991	rBV	117579	275208	29.57%	2.470%
3	7.815	991	997	1007	rVB	212537	469267	50.42%	4.212%
4	8.163	1043	1054	1065	rBV	124907	272289	29.26%	2.444%
5	8.711	1134	1144	1154	rBV	334485	667248	71.70%	5.989%
6	9.626	1289	1294	1303	rBV5	5323	10620	1.14%	0.095%
7	9.760	1306	1316	1323	rBV5	7026	19359	2.08%	0.174%
8	10.193	1379	1387	1396	rBV	544681	923894	99.27%	8.292%
9	10.528	1437	1442	1448	rBV4	7455	12834	1.38%	0.115%
10	11.101	1532	1536	1540	rBV2	9686	14970	1.61%	0.134%
11	11.497	1595	1601	1611	rBV	460956	788957	84.78%	7.081%
12	11.967	1656	1678	1681	rBV6	100510	546220	58.69%	4.902%
13	12.345	1735	1740	1743	rBV6	17053	28183	3.03%	0.253%
14	12.491	1758	1764	1768	rBV	330966	551717	59.28%	4.952%
15	12.595	1768	1781	1797	rVB5	164507	930642	100.00%	8.353%
16	12.741	1798	1805	1807	rBV3	64911	136742	14.69%	1.227%
17	12.912	1830	1833	1838	rVB4	24749	36927	3.97%	0.331%
18	12.979	1841	1844	1851	rVB	42312	71158	7.65%	0.639%
19	13.046	1851	1855	1858	rBV5	19651	31822	3.42%	0.286%
20	13.131	1864	1869	1872	rBV4	28761	58073	6.24%	0.521%
21	13.296	1889	1896	1898	rBV4	57554	115164	12.37%	1.034%
22	13.375	1905	1909	1912	rBV5	40590	80821	8.68%	0.725%
23	13.430	1913	1918	1932	rVB3	366881	742953	79.83%	6.668%
24	13.631	1948	1951	1955	rBV	67010	95595	10.27%	0.858%
25	13.668	1955	1957	1963	rVB2	59628	87497	9.40%	0.785%
26	13.753	1967	1971	1975	rBV3	53512	94967	10.20%	0.852%
27	13.832	1976	1984	1992	rVB5	33882	97102	10.43%	0.871%
28	13.979	2004	2008	2013	rVB	92805	129225	13.89%	1.160%
29	14.088	2020	2026	2030	rBV	132028	232282	24.96%	2.085%
30	14.131	2031	2033	2041	rVB3	46475	90995	9.78%	0.817%
31	14.223	2043	2048	2051	rBV2	30789	56607	6.08%	0.508%
32	14.271	2051	2056	2058	rVV5	34306	68220	7.33%	0.612%
33	14.302	2058	2061	2064	rVV2	61410	93420	10.04%	0.838%
34	14.345	2064	2068	2072	rVB	70350	97991	10.53%	0.879%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
Data File : VY001613.D
Acq On : 12 Feb 2020 15:09
Operator : SY/MD
Sample : L1509-04
Misc : 7.11G/5ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

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	14.387	2072	2075	2079	rBV3	41141	64647	6.95%	0.580%
36	14.430	2079	2082	2084	rVV4	30090	40102	4.31%	0.360%
37	14.460	2084	2087	2094	rVB	32459	56281	6.05%	0.505%
38	14.576	2099	2106	2118	rVB2	288090	888958	95.52%	7.978%
39	14.692	2118	2125	2130	rBV3	269766	565183	60.73%	5.073%
40	14.741	2130	2133	2140	rVB6	54499	92029	9.89%	0.826%
41	14.844	2146	2150	2154	rVB5	28525	39134	4.21%	0.351%
42	14.954	2163	2168	2172	rBV2	84763	143985	15.47%	1.292%
43	15.064	2181	2186	2191	rBV2	77161	149662	16.08%	1.343%
44	15.222	2208	2212	2220	rBV4	46898	113535	12.20%	1.019%
45	15.533	2258	2263	2270	rBV4	41353	123487	13.27%	1.108%
46	15.722	2288	2294	2301	rVB6	31361	83386	8.96%	0.748%
47	15.838	2309	2313	2317	rVB3	28598	47578	5.11%	0.427%
48	16.045	2342	2347	2351	rBV6	26743	57967	6.23%	0.520%
49	16.167	2363	2367	2373	rBV	51268	79685	8.56%	0.715%
50	16.241	2375	2379	2384	rVV3	31525	61229	6.58%	0.550%
51	16.301	2385	2389	2396	rVB2	47798	87438	9.40%	0.785%
52	16.503	2415	2422	2434	rVB	218068	493190	52.99%	4.426%

Sum of corrected areas: 11141945

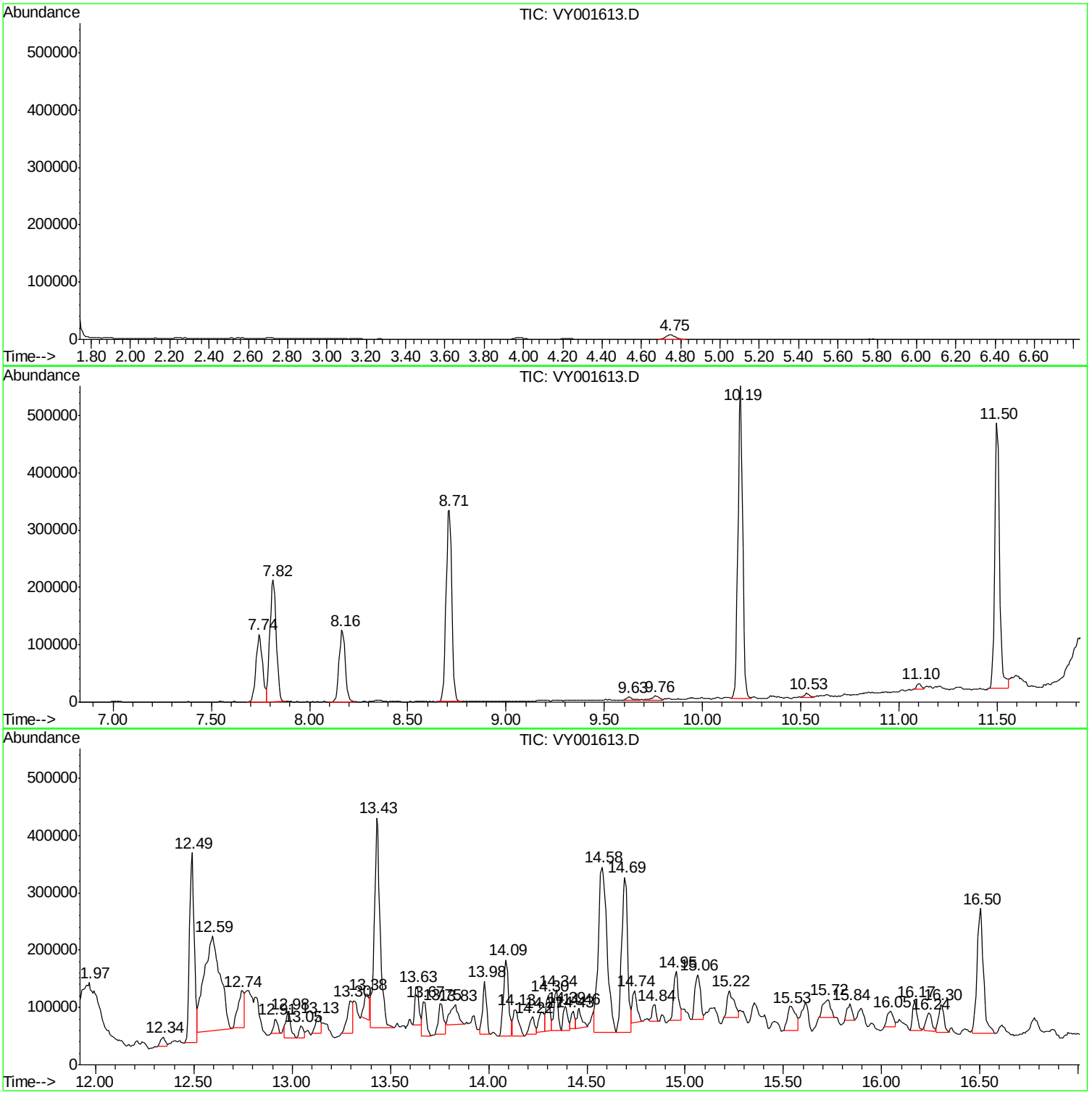
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY021220\
Data File : VY001613.D
Acq On : 12 Feb 2020 15:09
Operator : SY/MD
Sample : L1509-04
Misc : 7.11G/5ML/MSVOA Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

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 : VY001613.D
Acq On : 12 Feb 2020 15:09
Operator : SY/MD
Sample : L1509-04
Misc : 7.11G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

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

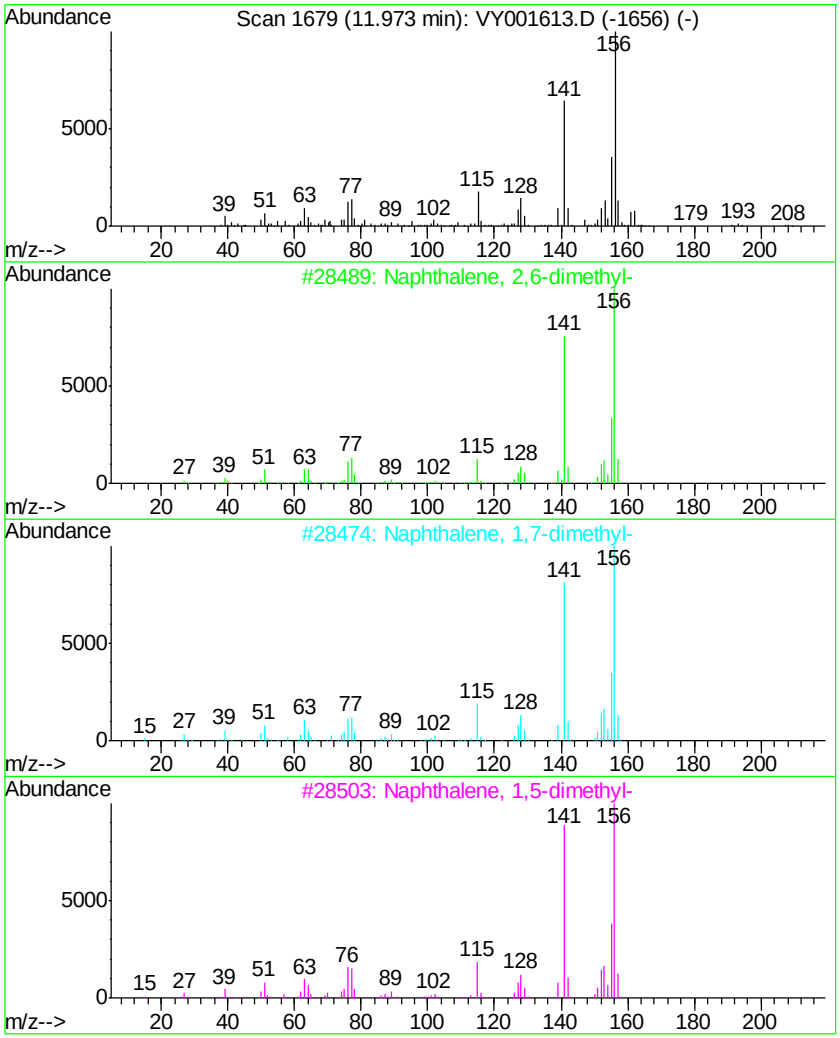
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

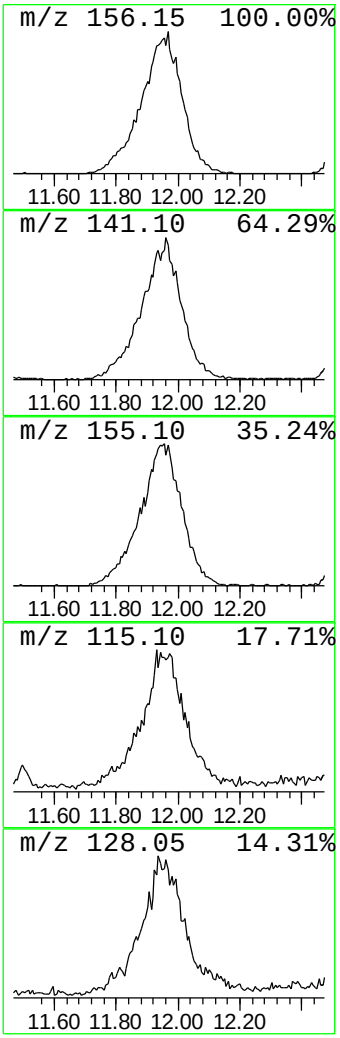
****

Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	34.62 ug/l	546220	Chlorobenzene-d5	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	98
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	98
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001613.D
Acq On : 12 Feb 2020 15:09
Operator : SY/MD
Sample : L1509-04
Misc : 7.11G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

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

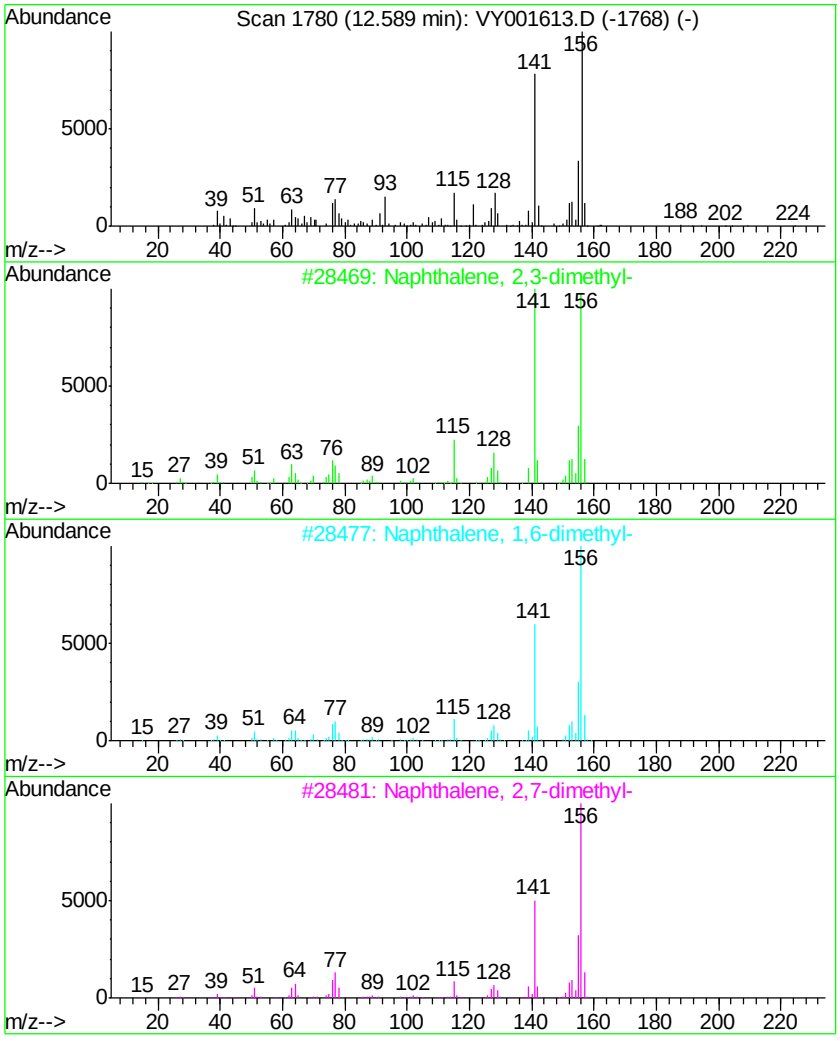
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

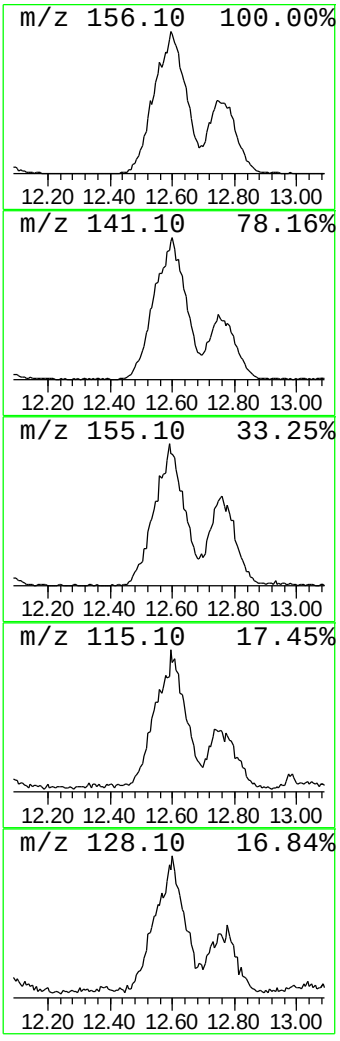
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	62.63 ug/l	930642	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001613.D
Acq On : 12 Feb 2020 15:09
Operator : SY/MD
Sample : L1509-04
Misc : 7.11G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

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

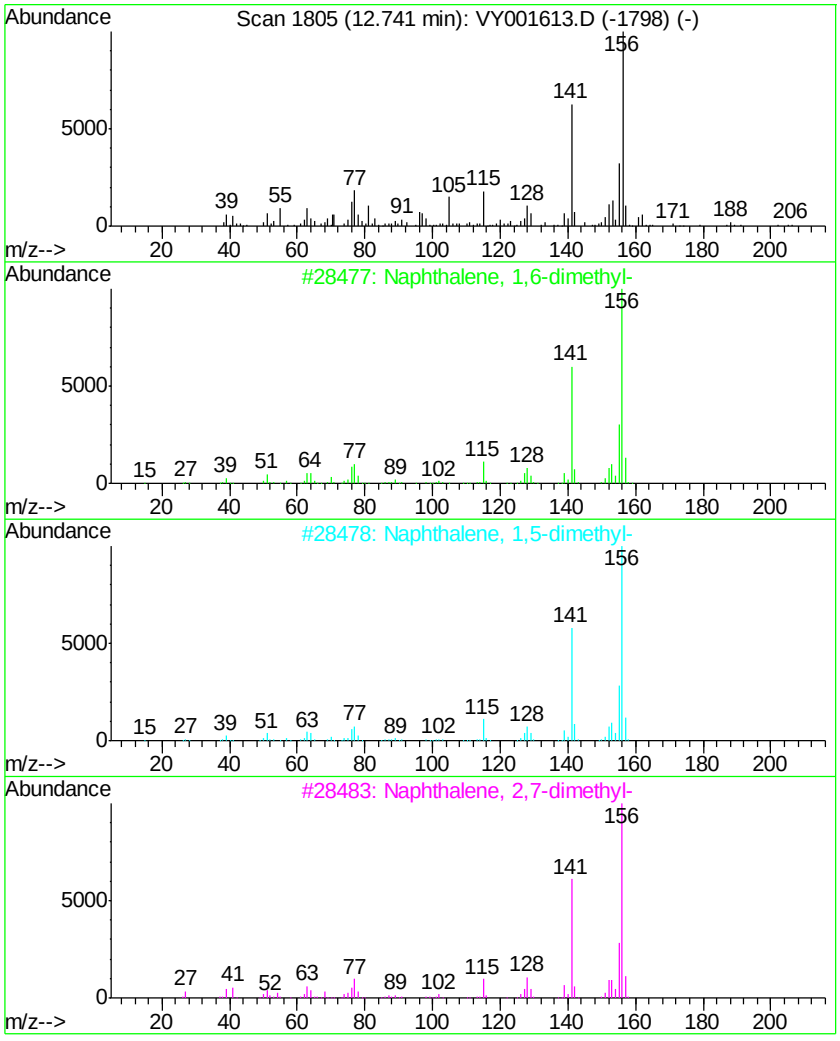
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

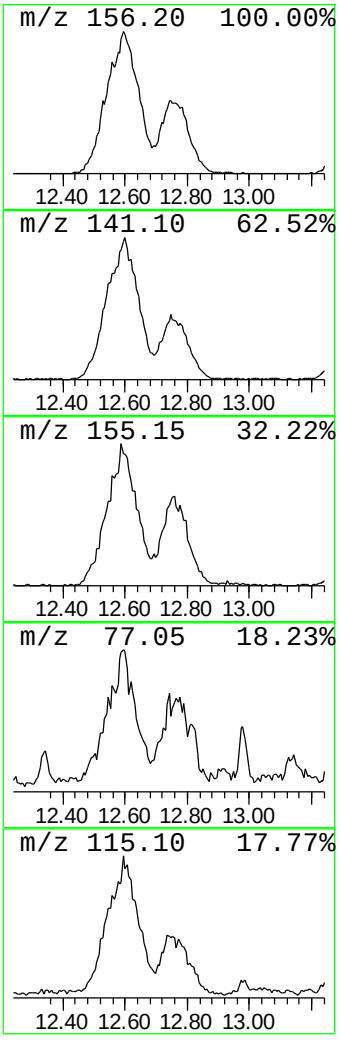
****

Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.74	9.20 ug/l	136742	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001613.D
Acq On : 12 Feb 2020 15:09
Operator : SY/MD
Sample : L1509-04
Misc : 7.11G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

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

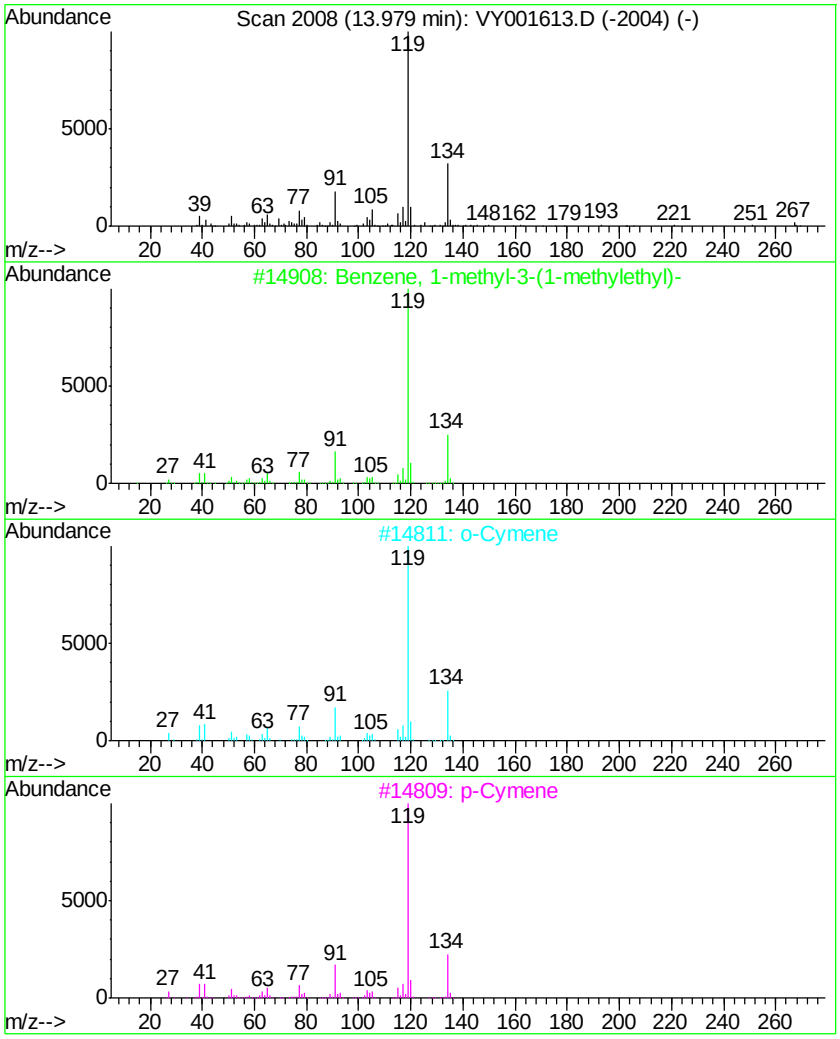
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

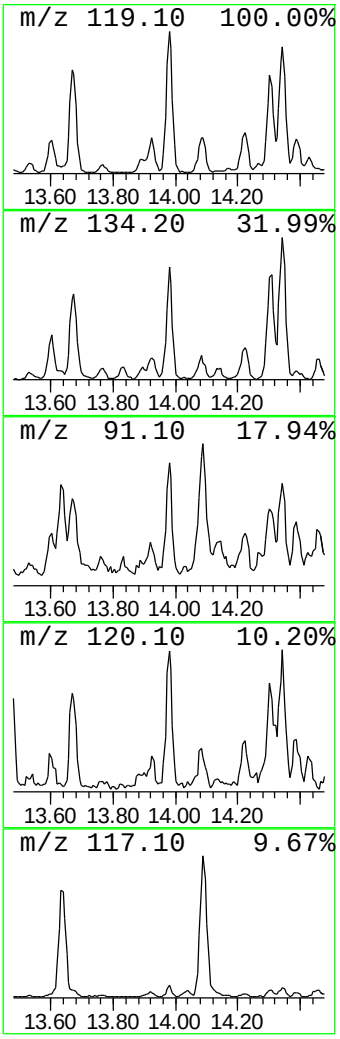
****

Peak Number 4 Benzene, 1-methyl-3-(1-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	8.70 ug/l	129225	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	p-Cymene	134	C10H14	000099-87-6	97
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001613.D
Acq On : 12 Feb 2020 15:09
Operator : SY/MD
Sample : L1509-04
Misc : 7.11G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

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

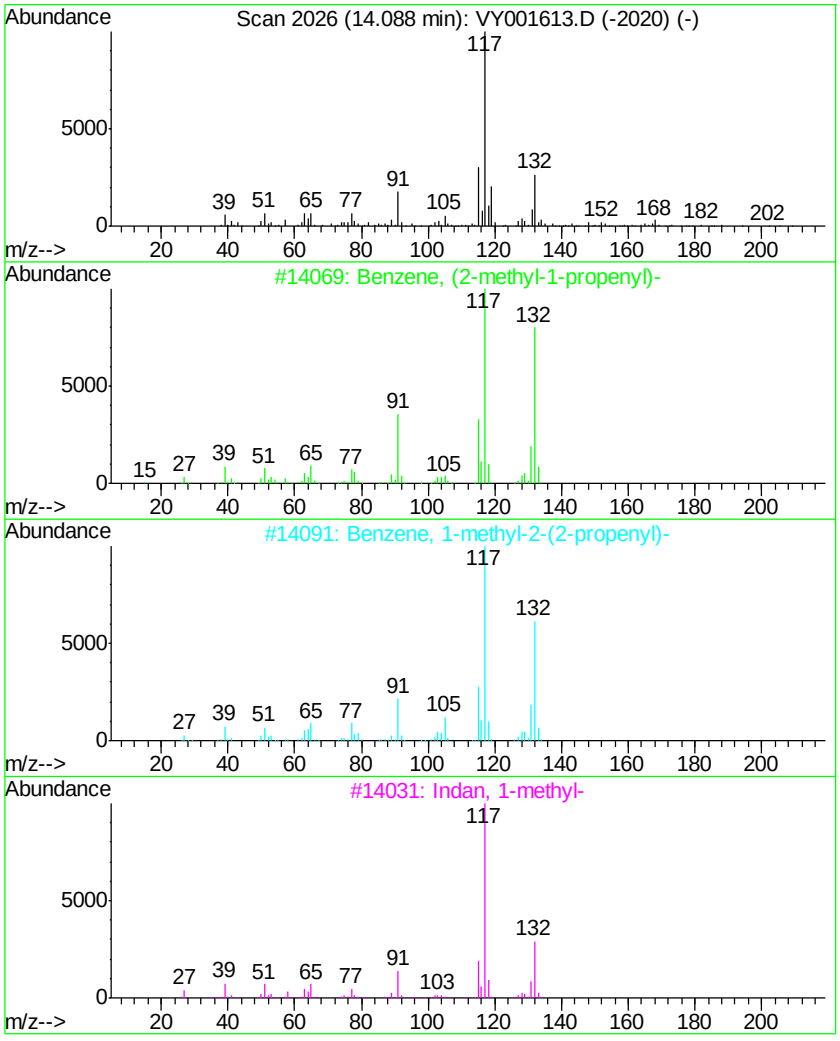
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

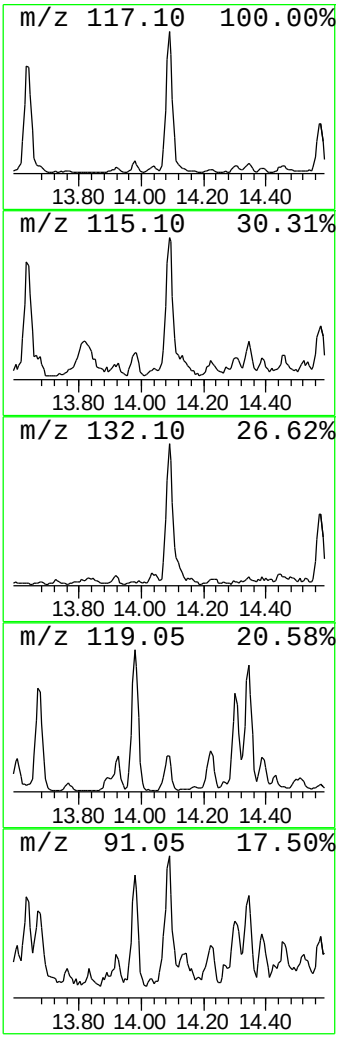
****

Peak Number 5 Benzene, (2-methyl-1-propen... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.09	15.63 ug/l	232282	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	81
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	76
3	Indan, 1-methyl-	132	C10H12	000767-58-8	76
4	Benzene, (2-methylcyclopropyl)-	132	C10H12	1000327-39-0	76
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	74





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001613.D
Acq On : 12 Feb 2020 15:09
Operator : SY/MD
Sample : L1509-04
Misc : 7.11G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

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

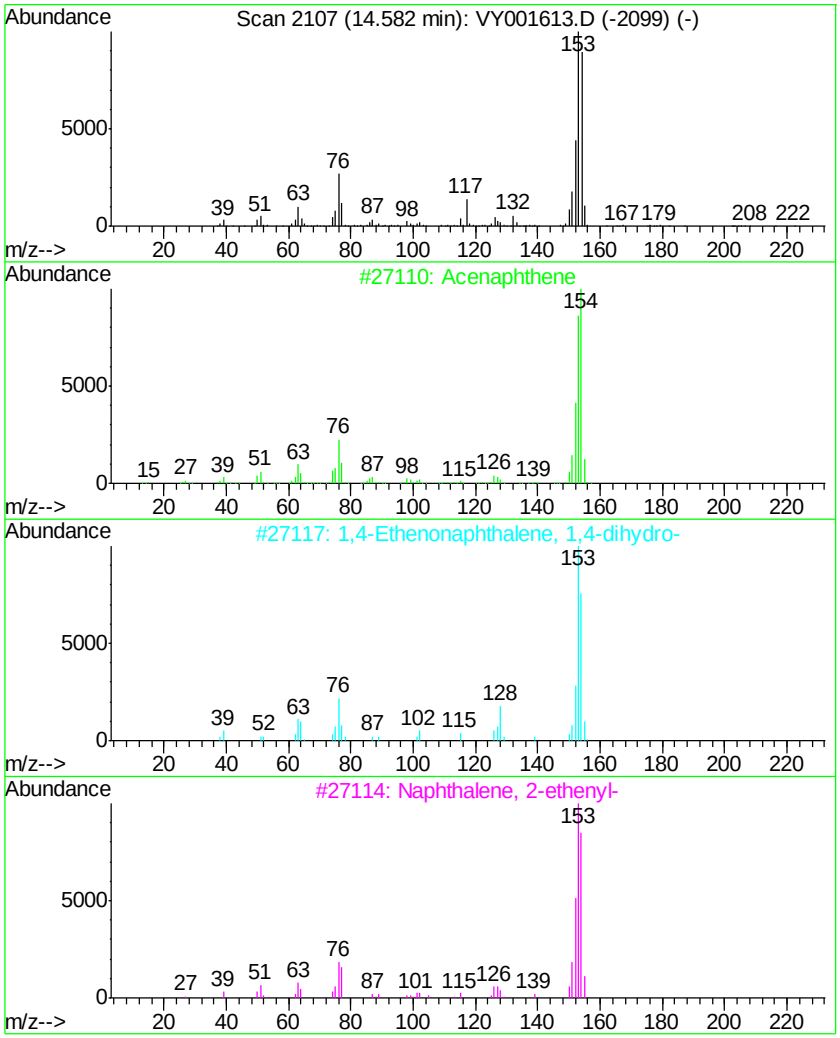
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

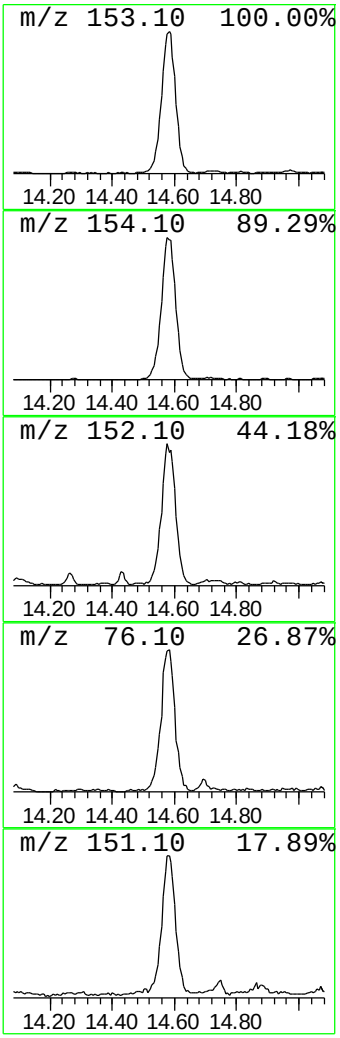
****

Peak Number 6 Acenaphthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	59.83 ug/l	888958	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthene	154	C12H10	000083-32-9	95
2	1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	58
3	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	53
4	3-Fluoro-para-anisaldehyde	154	C8H7FO2	000351-54-2	47
5	Biphenyl	154	C12H10	000092-52-4	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001613.D
Acq On : 12 Feb 2020 15:09
Operator : SY/MD
Sample : L1509-04
Misc : 7.11G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

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

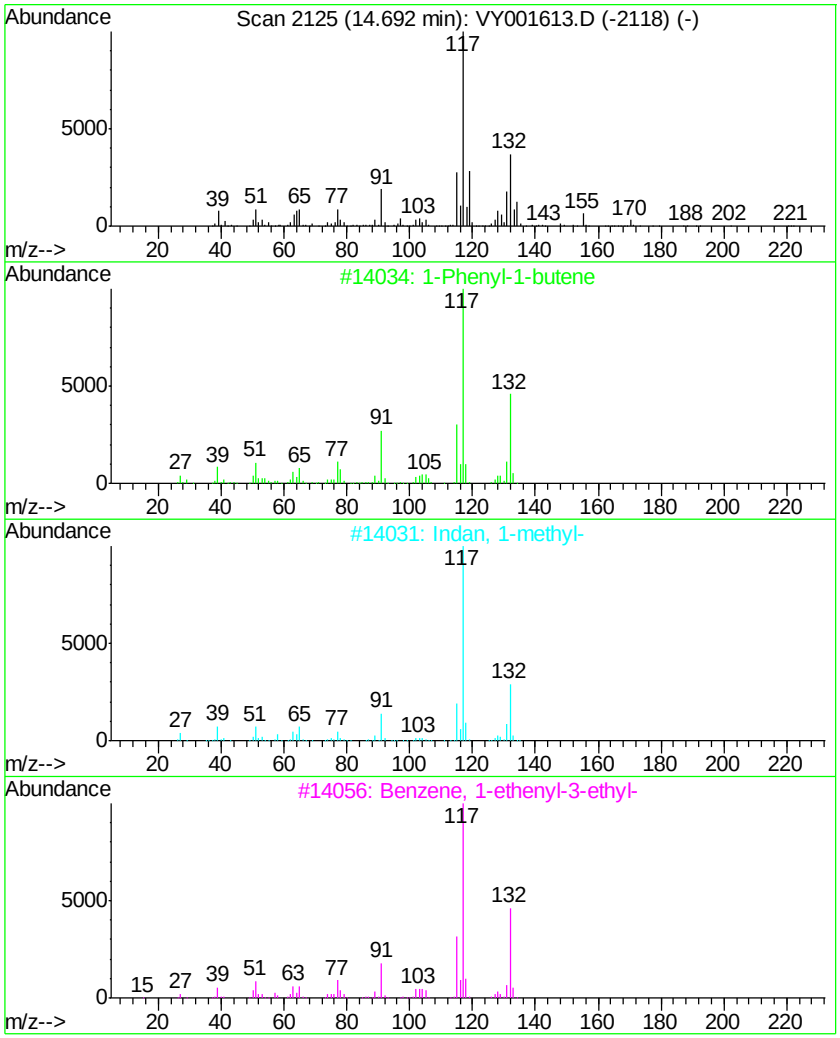
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

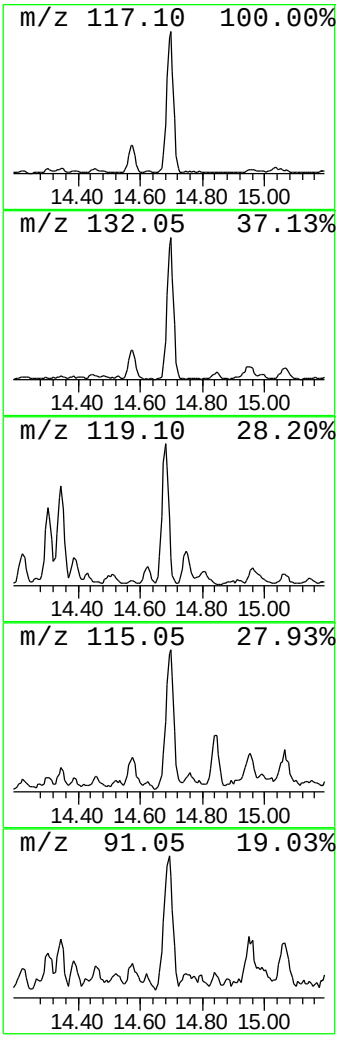
****

Peak Number 7 1-Phenyl-1-butene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.69	38.04 ug/l	565183	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	81
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	76
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001613.D
Acq On : 12 Feb 2020 15:09
Operator : SY/MD
Sample : L1509-04
Misc : 7.11G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

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

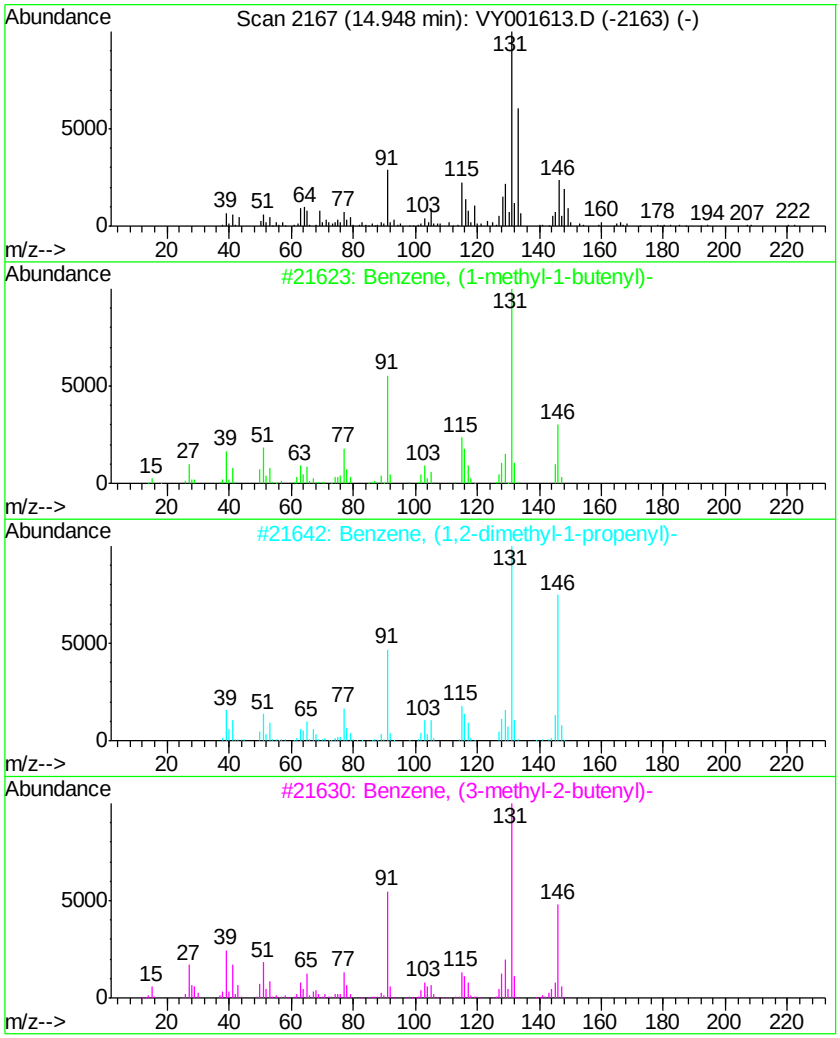
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

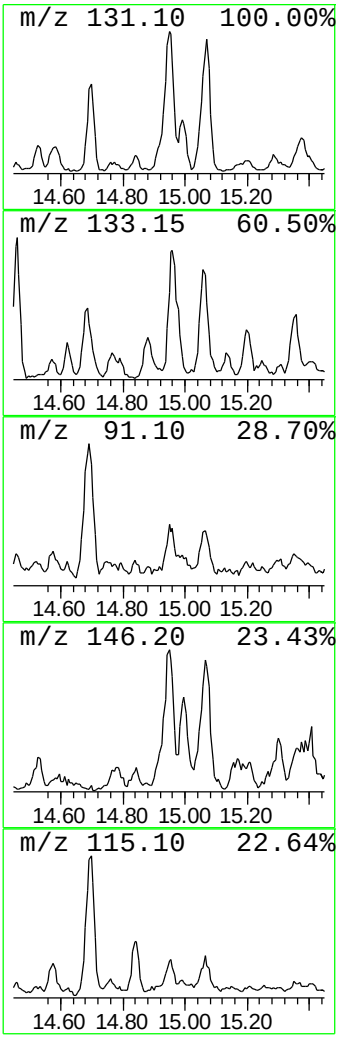
****

Peak Number 8 Benzene, (1-methyl-1-butenyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.95	9.69 ug/l	143985	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	60
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	50
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	46
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	46





Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001613.D
Acq On : 12 Feb 2020 15:09
Operator : SY/MD
Sample : L1509-04
Misc : 7.11G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

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

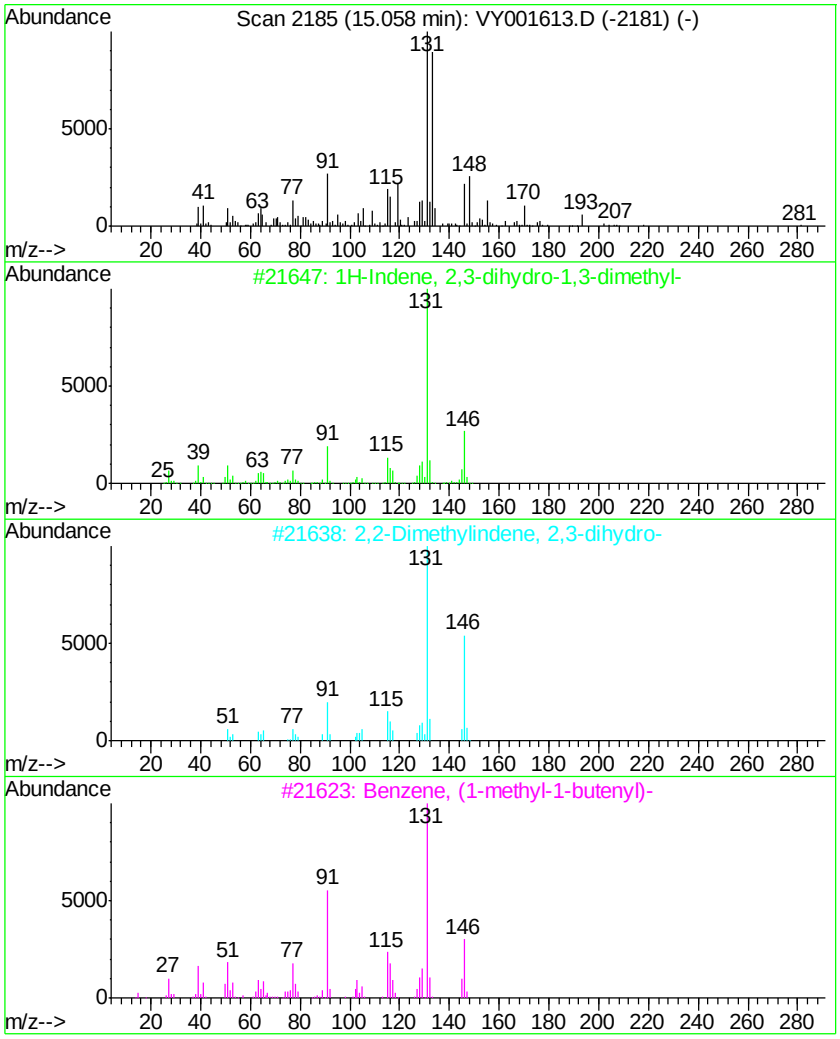
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

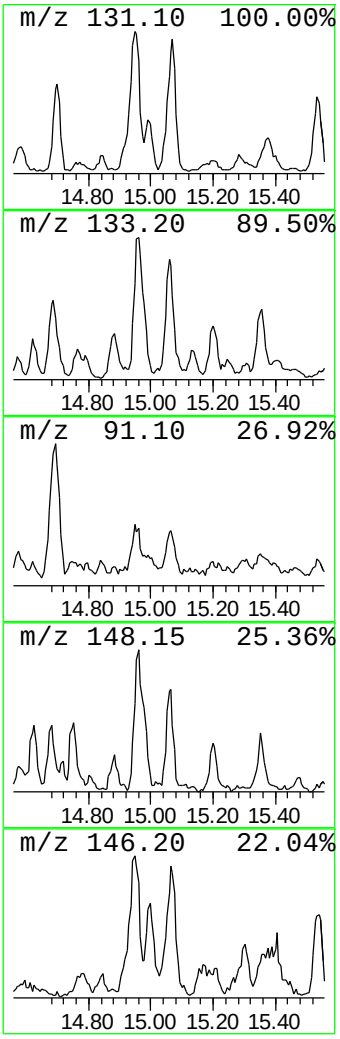
****

Peak Number 9 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	10.07 ug/l	149662	1,4-Dichlorobenzene-d4	13.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	60
2	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	60
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	60
4	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	55
5	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001613.D
Acq On : 12 Feb 2020 15:09
Operator : SY/MD
Sample : L1509-04
Misc : 7.11G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

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

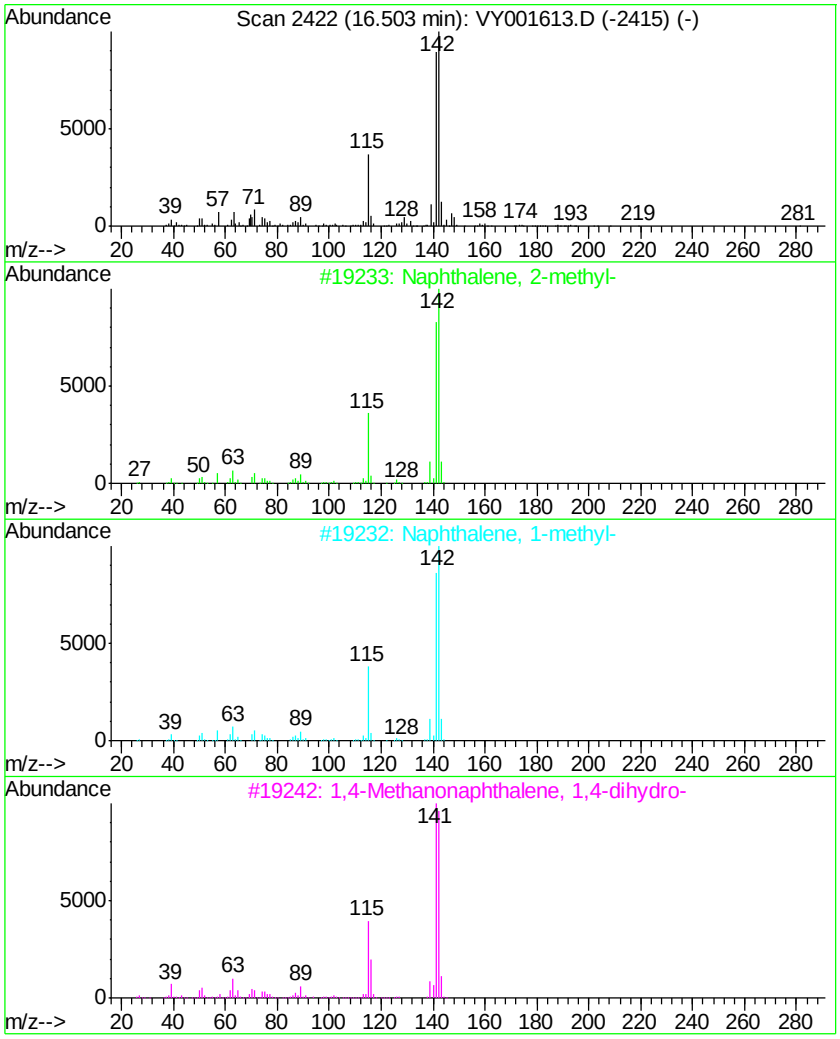
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

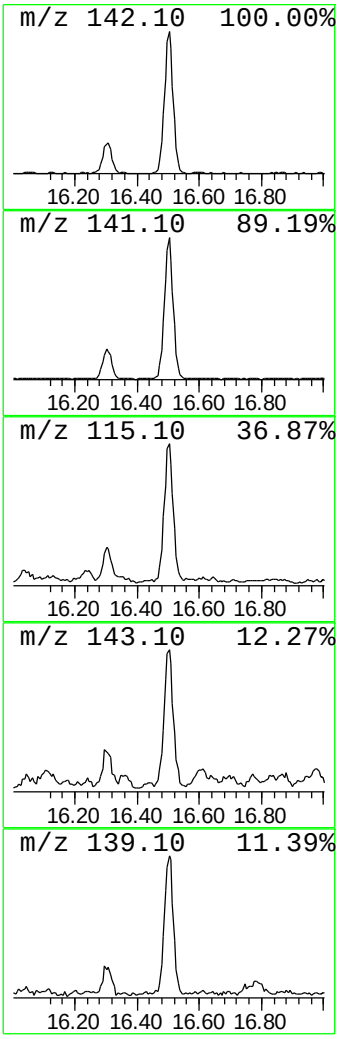
****

Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	33.19 ug/l	493190	1,4-Dichlorobenzene-d4	13.44

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	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY021220\
Data File : VY001613.D
Acq On : 12 Feb 2020 15:09
Operator : SY/MD
Sample : L1509-04
Misc : 7.11G/5ML/MSVOA_Y/SOIL
ALS Vial : 7 Sample Multiplier: 1

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

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
Naphthalene, 2,6-...	11.97	34.6	ug/l	546220	3	11.50	788957	50.0
Naphthalene, 2,3-...	12.59	62.6	ug/l	930642	4	13.44	742953	50.0
Naphthalene, 1,6-...	12.74	9.2	ug/l	136742	4	13.44	742953	50.0
Benzene, 1-methyl...	13.98	8.7	ug/l	129225	4	13.44	742953	50.0
Benzene, (2-methy...	14.09	15.6	ug/l	232282	4	13.44	742953	50.0
Acenaphthene	14.58	59.8	ug/l	888958	4	13.44	742953	50.0
1-Phenyl-1-butene	14.69	38.0	ug/l	565183	4	13.44	742953	50.0
Benzene, (1-methy...	14.95	9.7	ug/l	143985	4	13.44	742953	50.0
1H-Indene, 2,3-di...	15.06	10.1	ug/l	149662	4	13.44	742953	50.0
Naphthalene, 1-me...	16.50	33.2	ug/l	493190	4	13.44	742953	50.0