LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120419\
Data File : VY000868.D
Acq On : 04 Dec 2019 18:06
Operator : SY/MD
Sample : K6135-05
Misc : 7.05G/5ML/MSVOA Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC-36

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\82Y112719S.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	7.730	974	983	988	rBV2	169456	393152	30.19%	4.447%
2	7.803	988	995	1009	rVB	289206	663160	50.92%	7.501%
3	8.151	1042	1052	1065	rVB	188732	404235	31.04%	4.572%
4	8.699	1133	1142	1150	rBV	485307	949279	72.89%	10.737%
5	10.181	1376	1385	1393	rBV	778713	1302312	100.00%	14.730%
6	11.485	1592	1599	1607	rBV	647311	1071671	82.29%	12.121%
7	12.040	1685	1690	1696	rVB4	15096	26181	2.01%	0.296%
8	12.479	1755	1762	1770	rBV	479378	733685	56.34%	8.298%
9	12.638	1785	1788	1794	rVB6	7519	13118	1.01%	0.148%
10	12.814	1811	1817	1822	rBV7	12143	23726	1.82%	0.268%
11	13.424	1910	1917	1927	rVB	535318	857660	65.86%	9.701%
12	13.662	1951	1956	1960	rBV3	15835	26416	2.03%	0.299%
13	13.747	1965	1970	1976	rBV6	24029	43462	3.34%	0.492%
14	13.967	2002	2006	2011	rVB2	28209	43012	3.30%	0.486%
15	14.076	2019	2024	2028	rBV4	22670	36790	2.82%	0.416%
16	14.125	2028	2032	2040	rVB9	12400	31882	2.45%	0.361%
17	14.210	2040	2046	2049	rBV7	16875	31436	2.41%	0.356%
18	14.253	2049	2053	2056	rBV3	23073	37686	2.89%	0.426%
19	14.332	2063	2066	2070	rVB	20231	27172	2.09%	0.307%
20	14.381	2070	2074	2077	rBV5	20346	33616	2.58%	0.380%
21	14.418	2077	2080	2084	rVB4	31500	43825	3.37%	0.496%
22	14.570	2102	2105	2109	rVB6	10873	14490	1.11%	0.164%
23	14.619	2109	2113	2117	rVB3	21817	29710	2.28%	0.336%
24	14.680	2117	2123	2128	rBV3	63491	143450	11.02%	1.623%
25	14.735	2128	2132	2138	rVB6	33898	53883	4.14%	0.609%
26	14.832	2146	2148	2152	rBV4	17072	24194	1.86%	0.274%
27	14.875	2152	2155	2159	rVB6	17338	22191	1.70%	0.251%
28	14.942	2162	2166	2170	rBV4	52802	85924	6.60%	0.972%
29	14.979	2170	2172	2178	rVV4	29248	59084	4.54%	0.668%
30	15.052	2179	2184	2189	rVB3	66738	134374	10.32%	1.520%
31	15.137	2194	2198	2203	rVB5	24862	46388	3.56%	0.525%
32	15.210	2204	2210	2217	rBV6	36653	96223	7.39%	1.088%
33	15.290	2218	2223	2227	rBV3	39438	63825	4.90%	0.722%
34	15.344	2228	2232	2233	rBV4	32845	39596	3.04%	0.448%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120419\
Data File : VY000868.D
Acq On : 04 Dec 2019 18:06
Operator : SY/MD
Sample : K6135-05
Misc : 7.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC-36

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\82Y112719S.M
Title : SW846 8260

35	15.436	2244	2247	2255	rVB8	26386	50667	3.89%	0.573%
36	15.527	2255	2262	2268	rBV5	41615	106516	8.18%	1.205%
37	15.686	2280	2288	2291	rBV4	42711	112113	8.61%	1.268%
38	15.728	2291	2295	2302	rVB3	63419	104768	8.04%	1.185%
39	15.814	2304	2309	2314	rVB8	34241	64974	4.99%	0.735%
40	15.881	2314	2320	2326	rBV5	44506	110540	8.49%	1.250%
41	16.027	2337	2344	2352	rBV4	80862	181542	13.94%	2.053%
42	16.155	2362	2365	2369	rBV4	18229	24415	1.87%	0.276%
43	16.228	2372	2377	2383	rVV4	80389	180174	13.83%	2.038%
44	16.289	2383	2387	2392	rVV3	38018	74864	5.75%	0.847%
45	16.344	2392	2396	2401	rVB7	22837	46685	3.58%	0.528%
46	16.478	2413	2418	2426	rBV9	41388	126015	9.68%	1.425%
47	16.619	2434	2441	2442	rBV4	22428	36619	2.81%	0.414%
48	16.929	2490	2492	2497	rVB6	11402	14541	1.12%	0.164%

Sum of corrected areas: 8841241

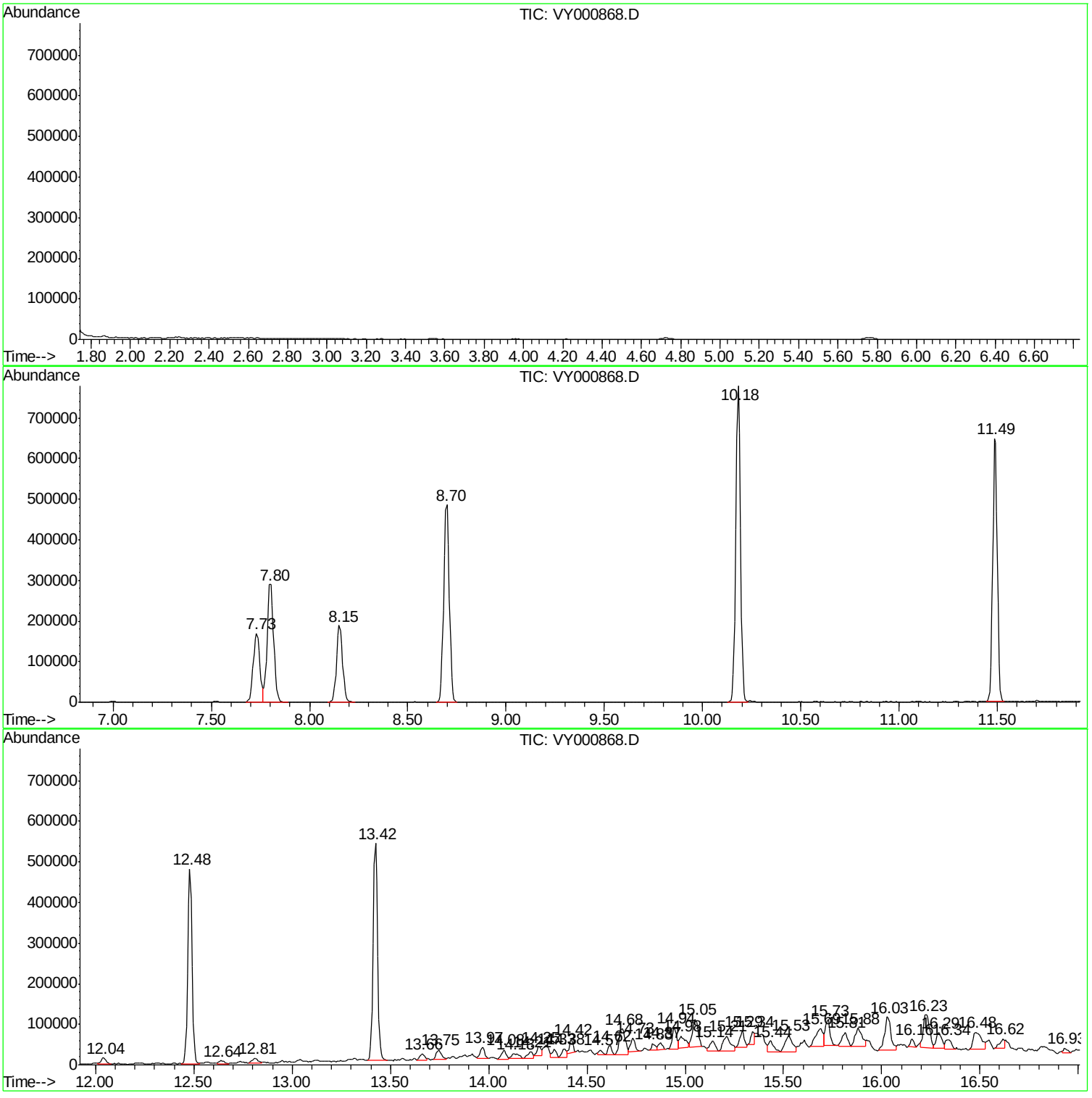
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120419\
Data File : VY000868.D
Acq On : 04 Dec 2019 18:06
Operator : SY/MD
Sample : K6135-05
Misc : 7.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC-36

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.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\VY120419\
Data File : VY000868.D
Acq On : 04 Dec 2019 18:06
Operator : SY/MD
Sample : K6135-05
Misc : 7.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC-36

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

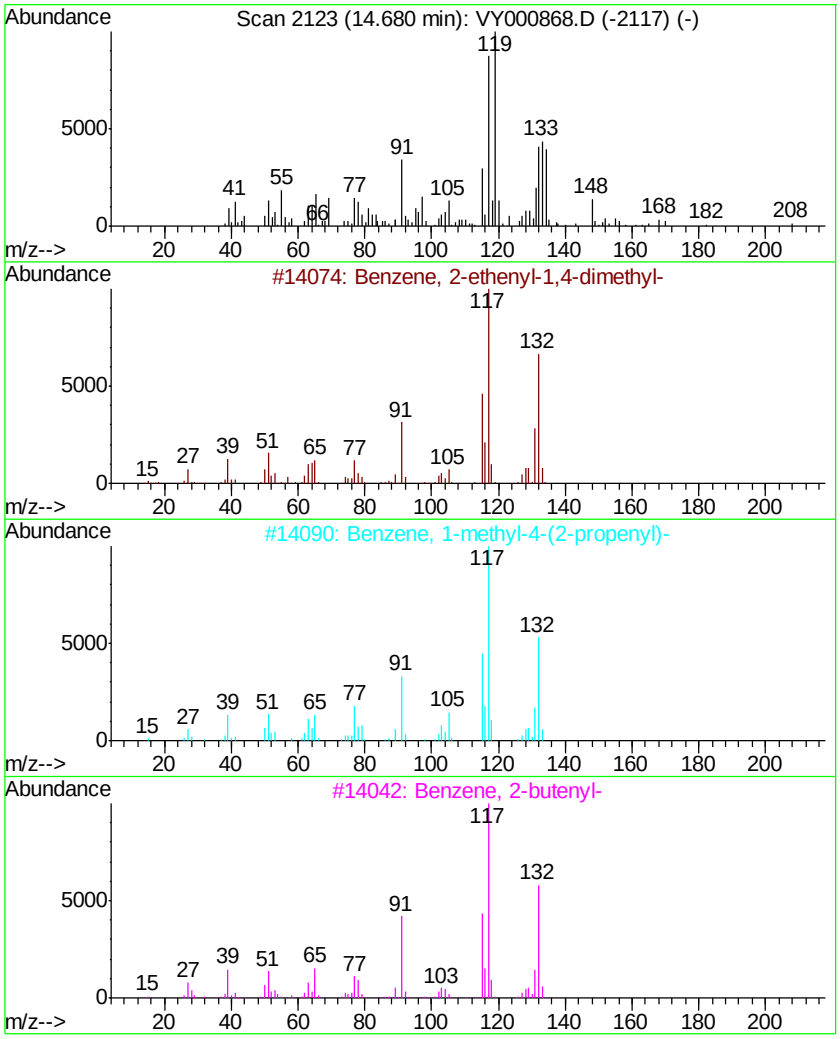
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

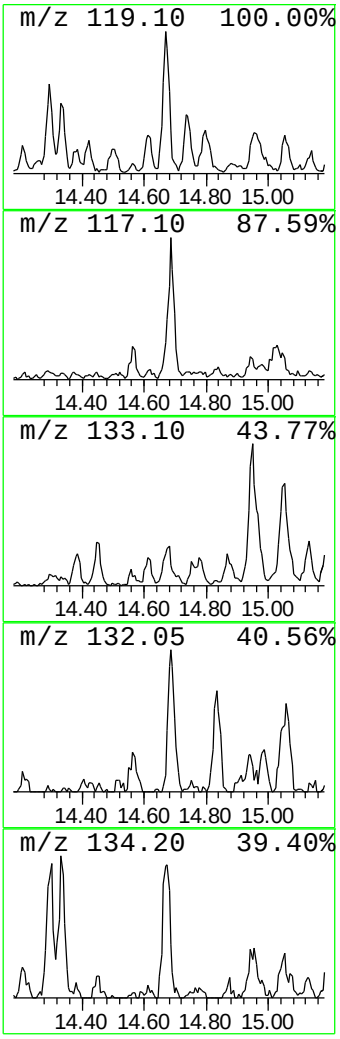
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	8.36 ug/l	143450	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	64
2	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	46
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	46
4	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	46
5	1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	46





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120419\
Data File : VY000868.D
Acq On : 04 Dec 2019 18:06
Operator : SY/MD
Sample : K6135-05
Misc : 7.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC-36

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

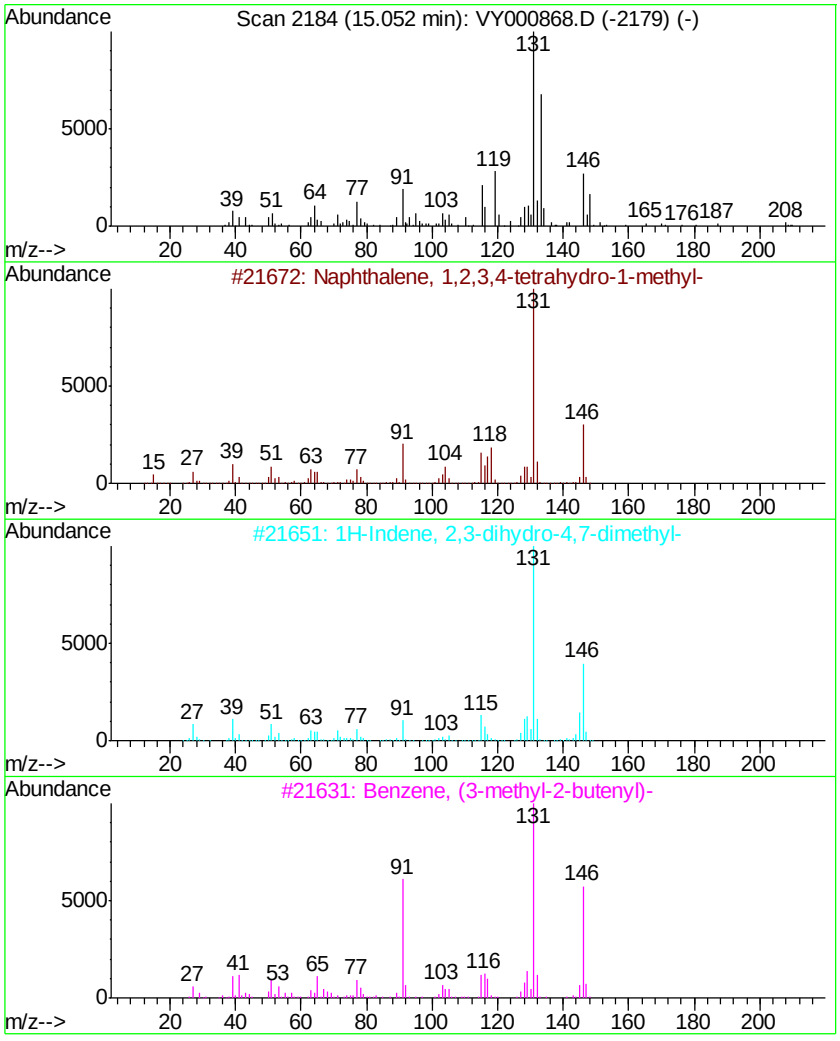
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

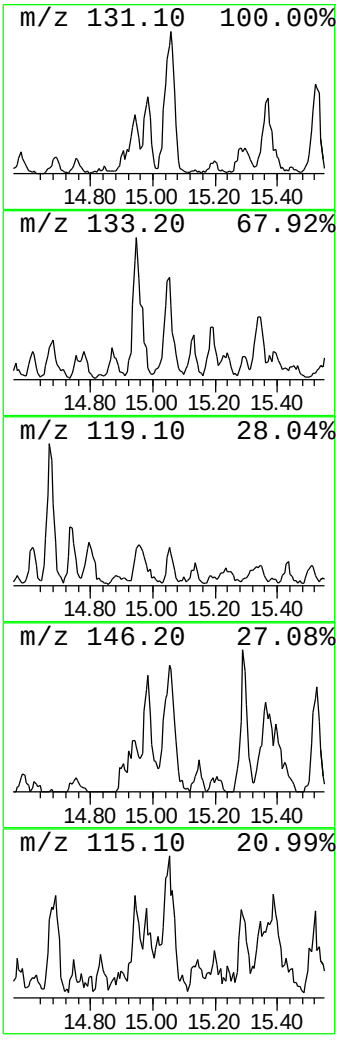
****

Peak Number 2 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	7.83 ug/l	134374	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	70
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	70
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	64
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	64
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120419\
Data File : VY000868.D
Acq On : 04 Dec 2019 18:06
Operator : SY/MD
Sample : K6135-05
Misc : 7.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC-36

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

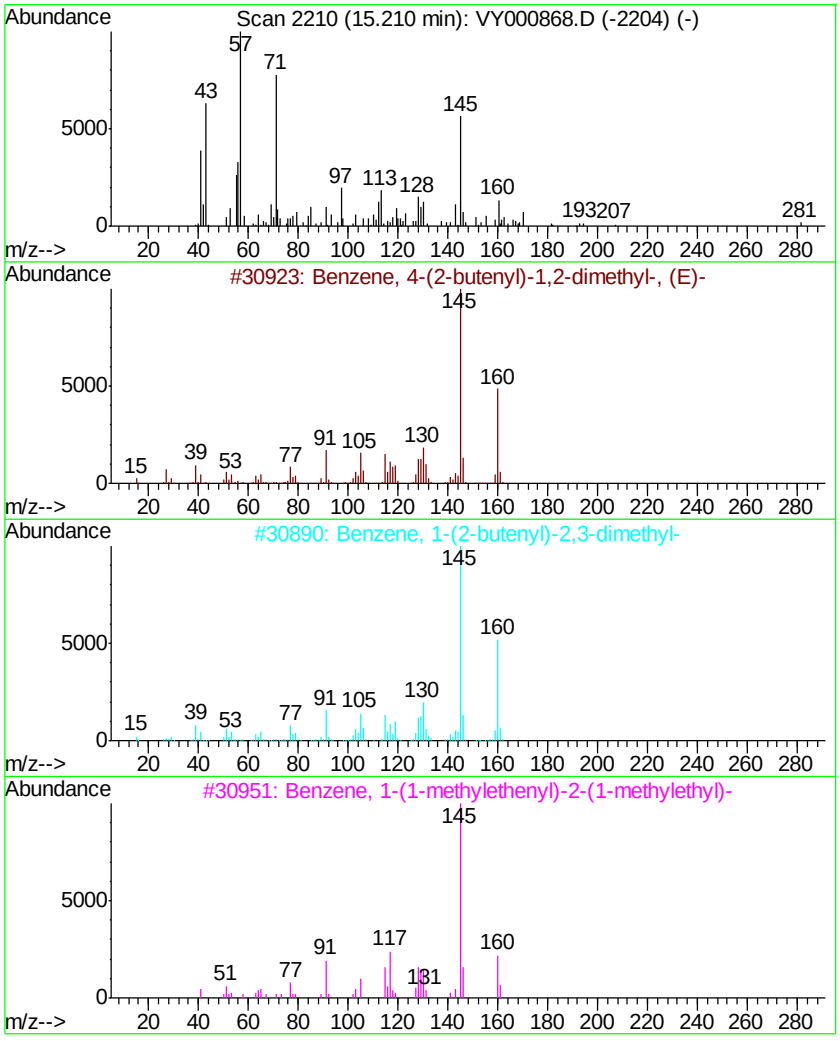
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

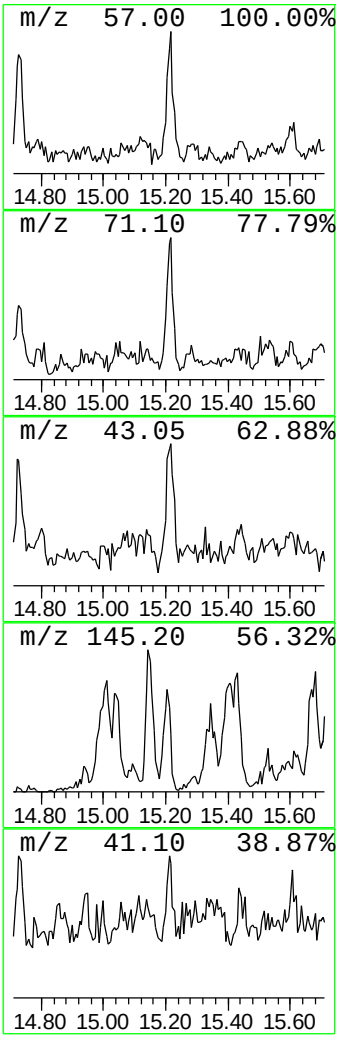
****

Peak Number 3 unknown15.21 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.21	5.61 ug/l	96223	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	41
2	Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	41
3	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	30
4	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	30
5	Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	30





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120419\
Data File : VY000868.D
Acq On : 04 Dec 2019 18:06
Operator : SY/MD
Sample : K6135-05
Misc : 7.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC-36

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

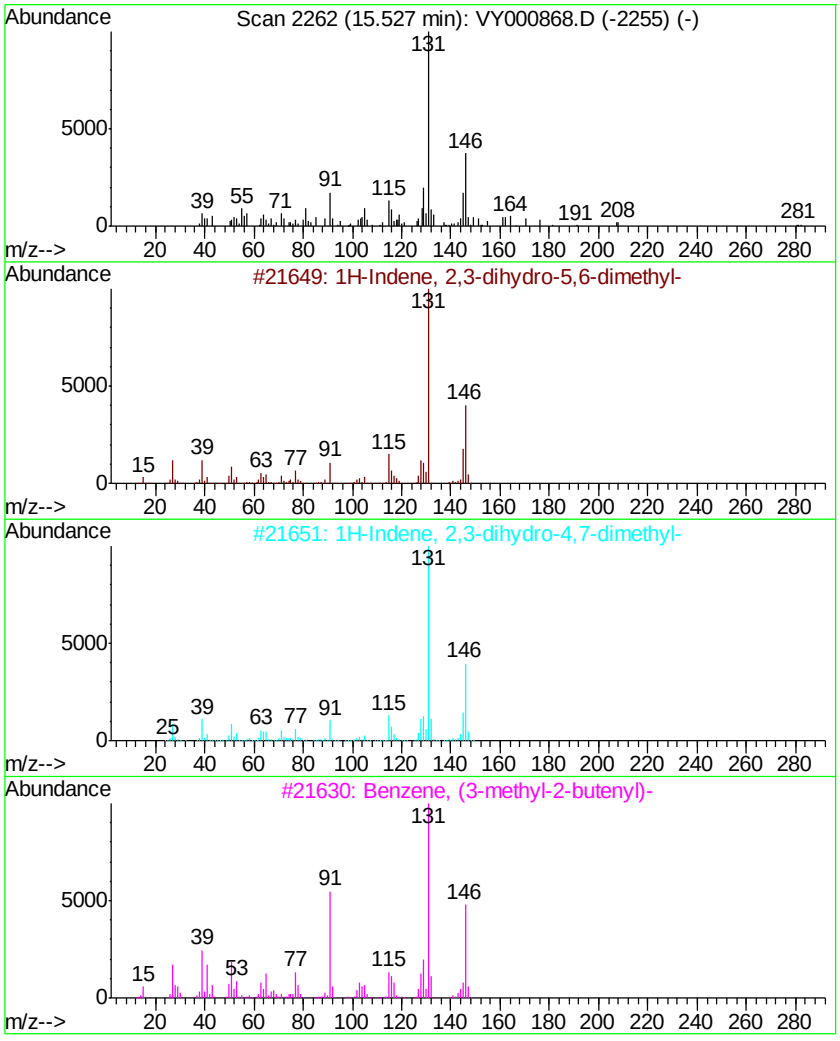
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

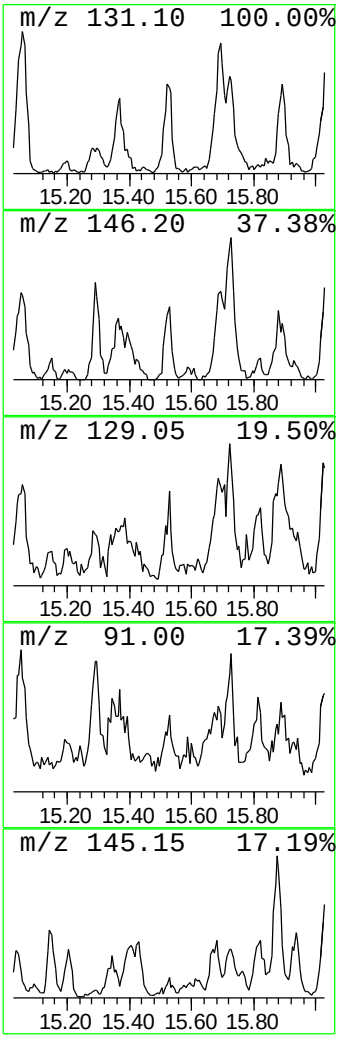
****

Peak Number 4 1H-Indene, 2,3-dihydro-5,6-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.53	6.21 ug/l	106516	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	94
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
5	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81





Library Search Compound Report

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Operator : SY/MD
Sample : K6135-05
Misc : 7.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC-36

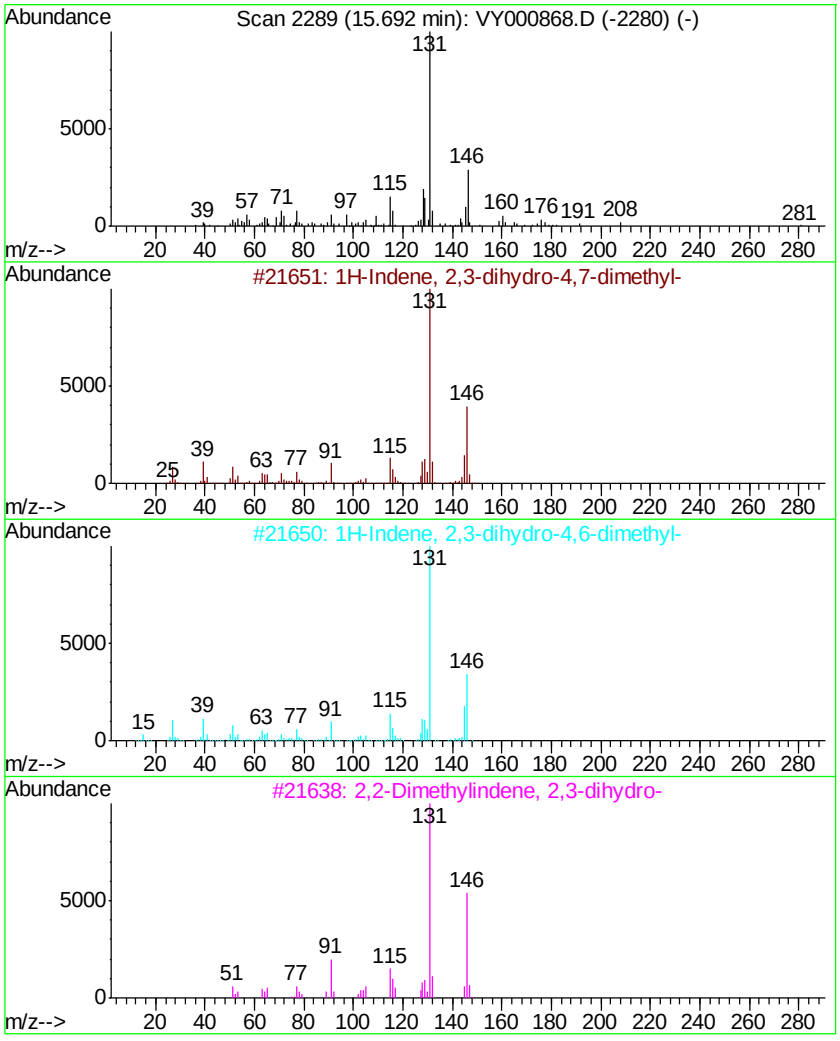
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

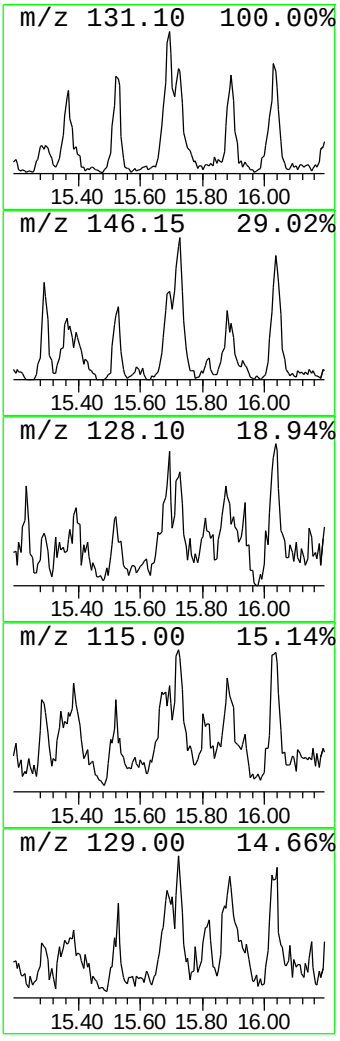
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	6.54 ug/l	112113	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
2	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	76
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	76
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	76





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120419\
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Sample : K6135-05
Misc : 7.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC-36

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

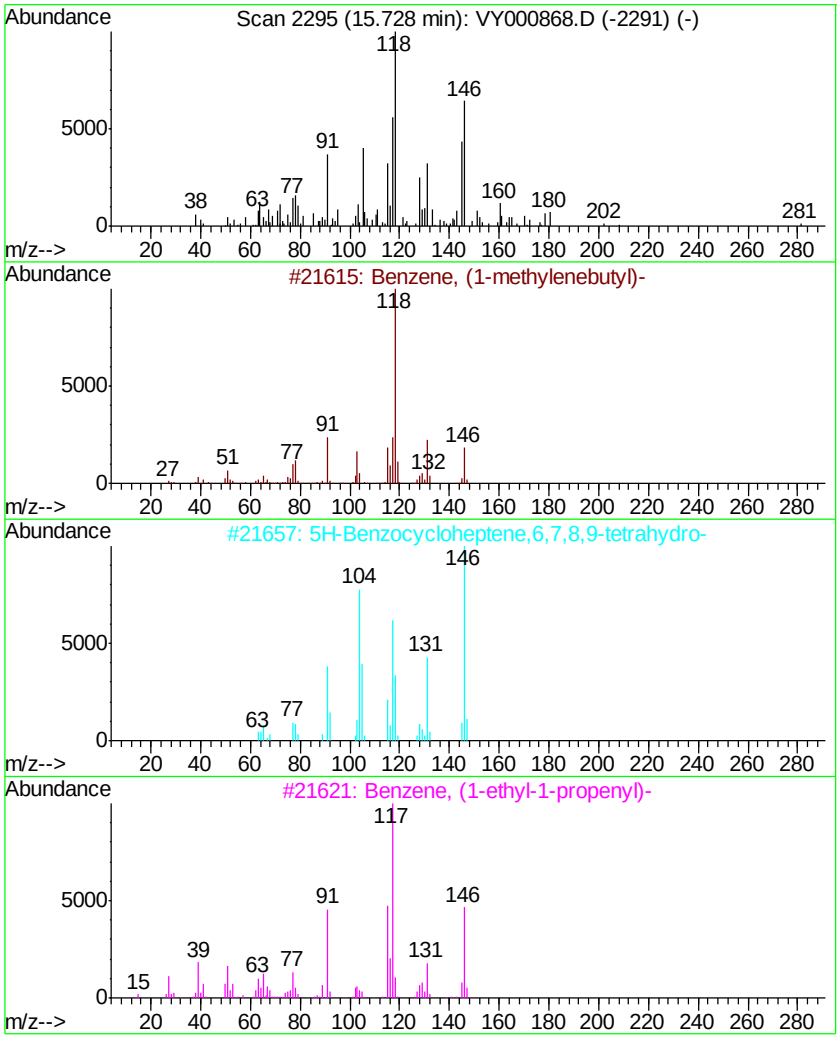
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

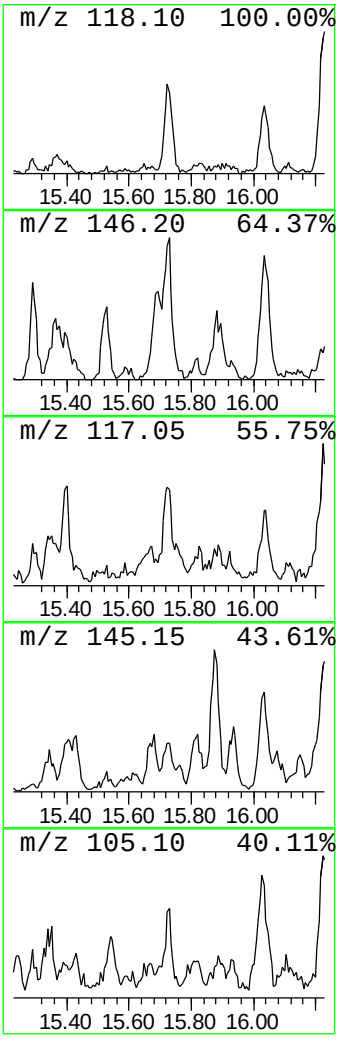
****

Peak Number 6 Benzene, (1-methylenebutyl)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	6.11 ug/l	104768	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylenebutyl)-	146	C11H14	005676-32-4	64
2	5H-Benzocycloheptene,6,7,8,9-tet...	146	C11H14	001075-16-7	43
3	Benzene, (1-ethyl-1-propenyl)-	146	C11H14	004701-36-4	42
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	38
5	1,5-Dihydroxy-1,2,3,4-tetrahydro...	164	C10H12O2	040771-26-4	38





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120419\
Data File : VY000868.D
Acq On : 04 Dec 2019 18:06
Operator : SY/MD
Sample : K6135-05
Misc : 7.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC-36

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

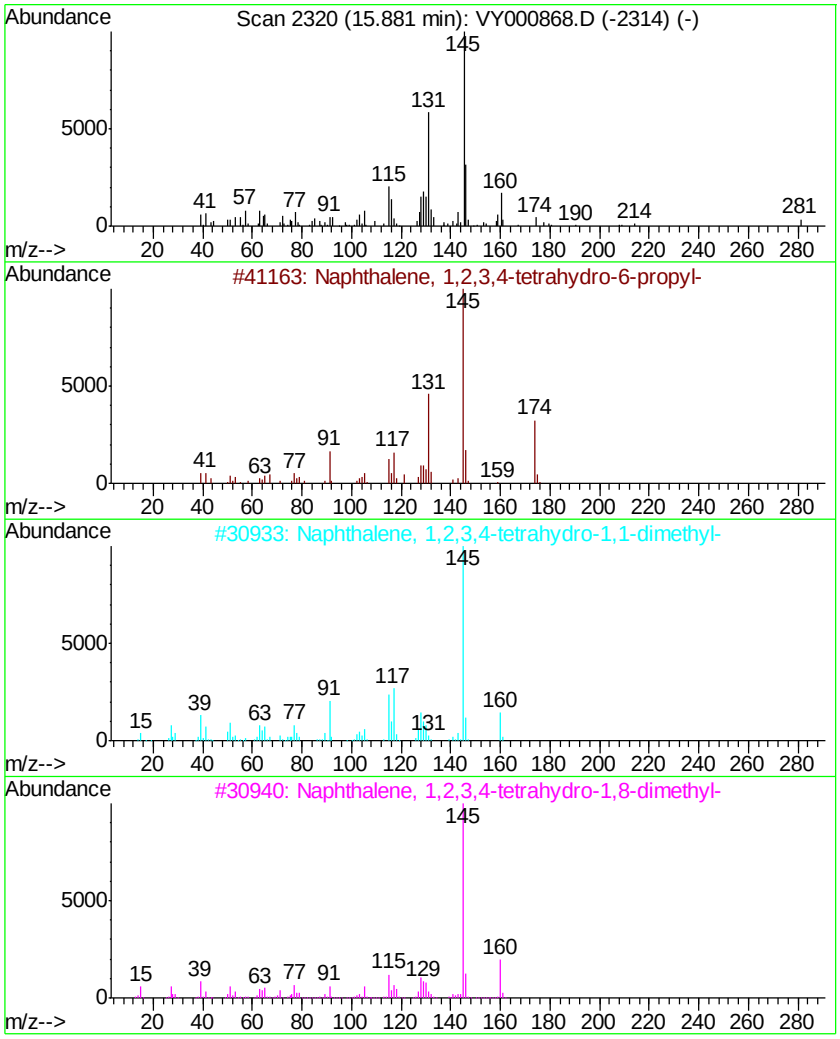
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

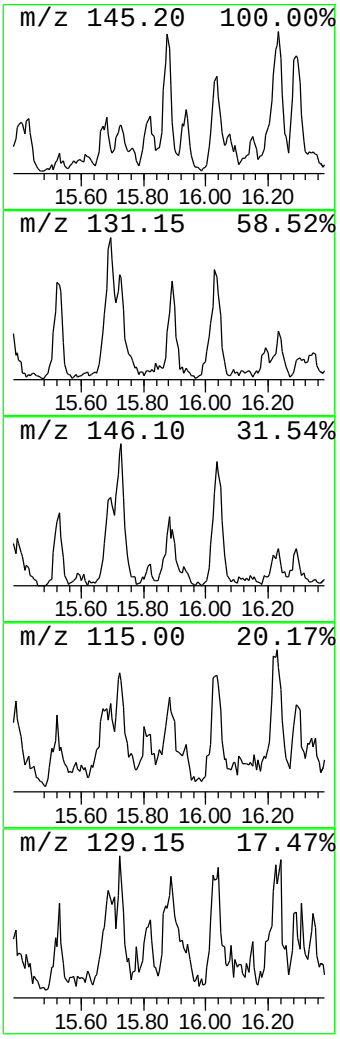
****

Peak Number 7 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	6.44 ug/l	110540	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	174	C13H18	042775-77-9	72
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001985-59-7	62
3	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	58
4	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	58
5	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	58





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120419\
Data File : VY000868.D
Acq On : 04 Dec 2019 18:06
Operator : SY/MD
Sample : K6135-05
Misc : 7.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC-36

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

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

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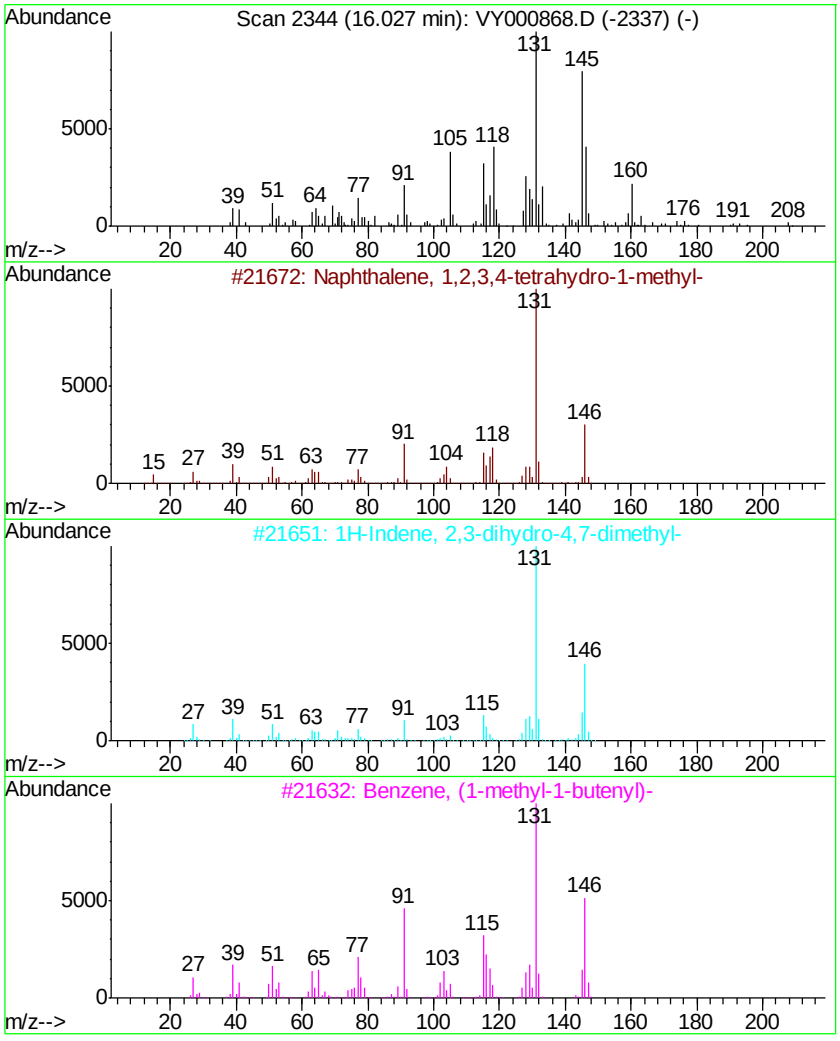
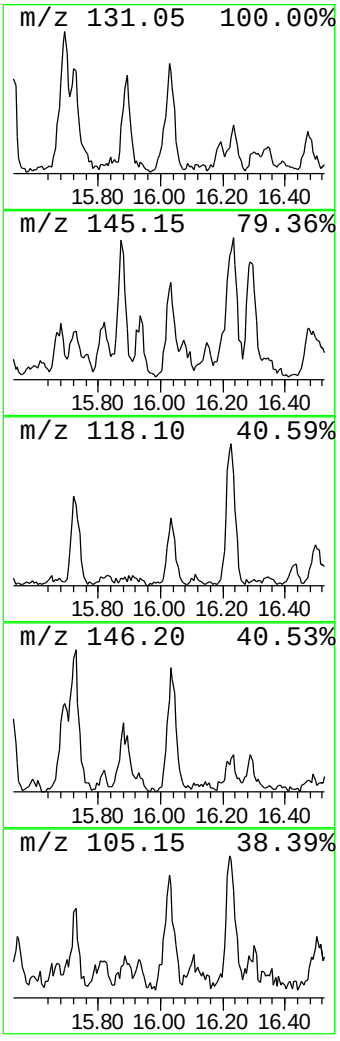
Peak Number 8 unknown16.03 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	10.58 ug/l	181542	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	46
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	45
3	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	43
4	1H-Indene, 2,3-dihydro-1,4,7-tri...	160	C12H16	054340-87-3	42
5	1H-Indene, 2,3-dihydro-1,5,7-tri...	160	C12H16	054340-88-4	42





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120419\
Data File : VY000868.D
Acq On : 04 Dec 2019 18:06
Operator : SY/MD
Sample : K6135-05
Misc : 7.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC-36

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

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

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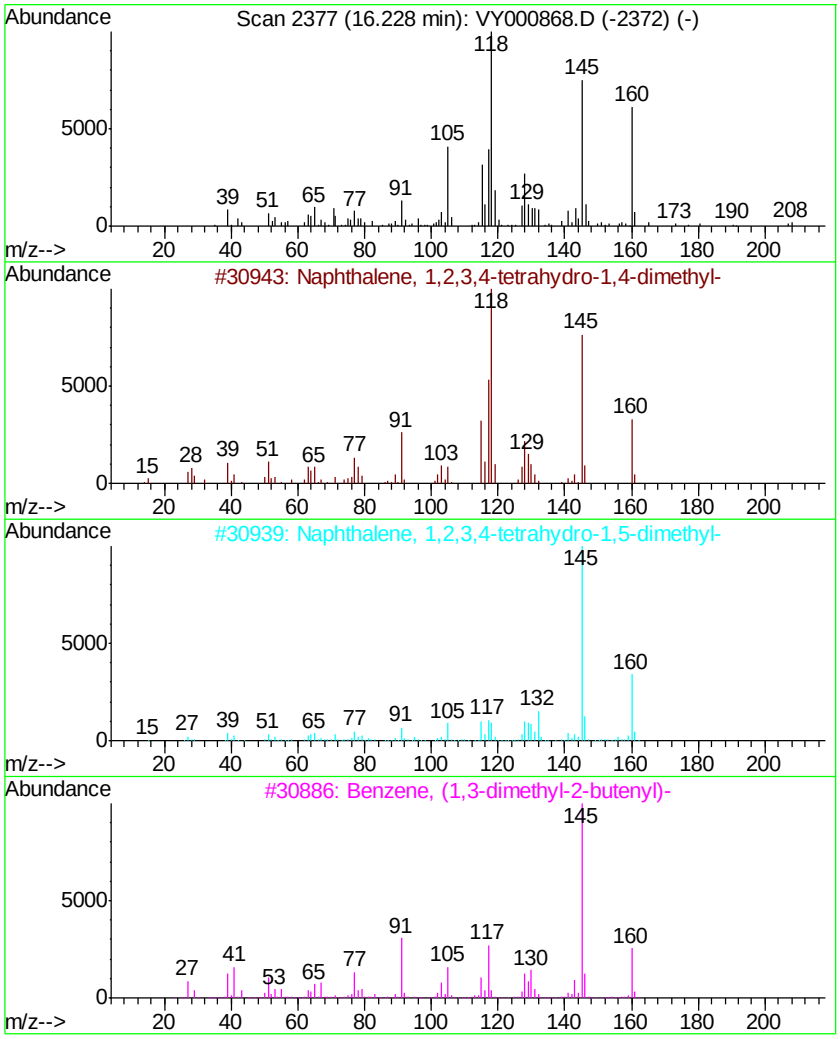
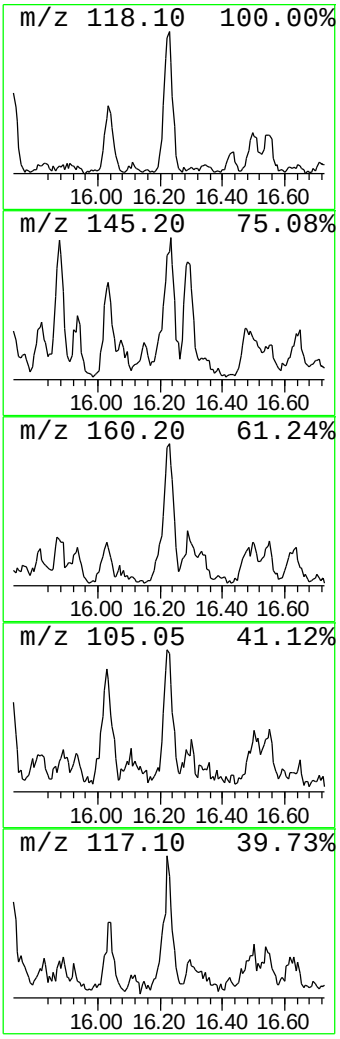
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.23	10.50 ug/l	180174	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	93
2	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	68
3	Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	64
4	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	64
5	Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	64





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120419\
Data File : VY000868.D
Acq On : 04 Dec 2019 18:06
Operator : SY/MD
Sample : K6135-05
Misc : 7.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC-36

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.M
Quant Title : SW846 8260

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

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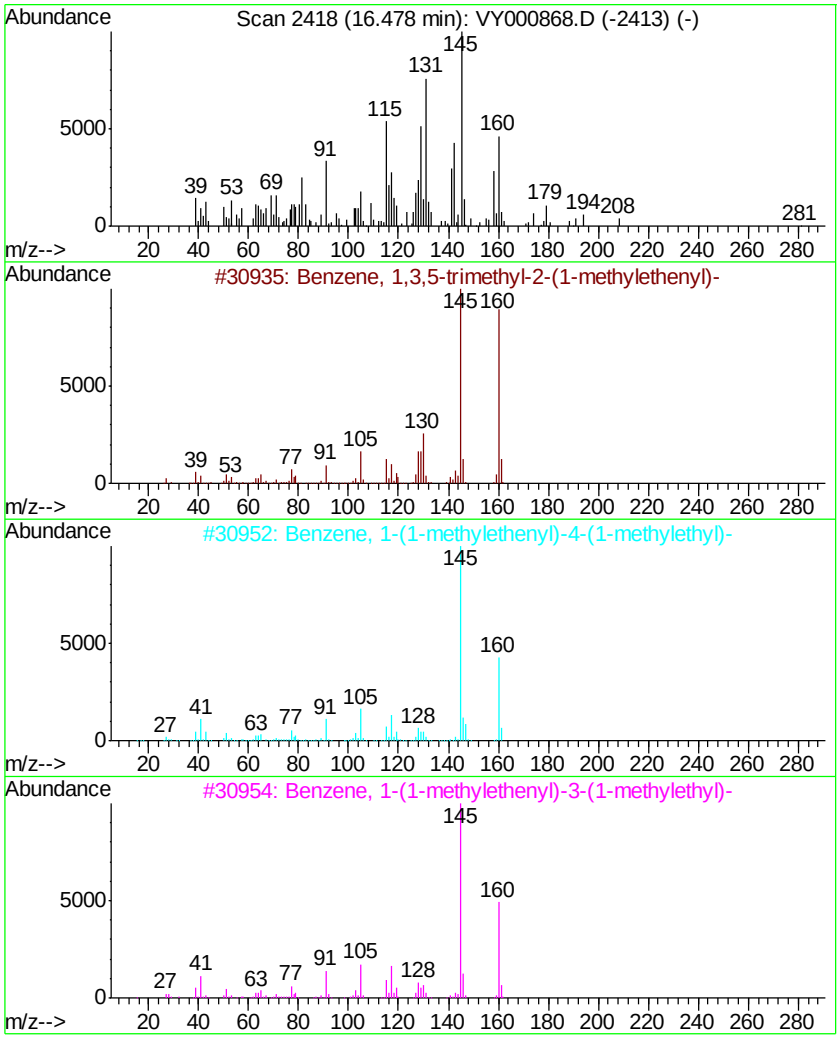
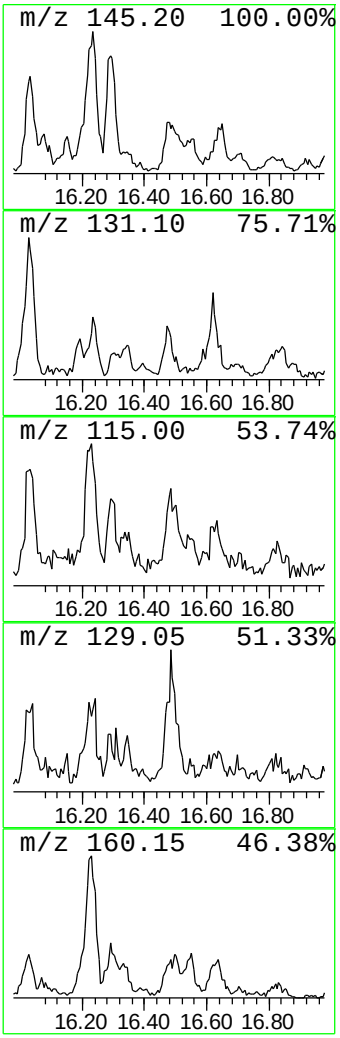
Peak Number 10 unknown16.48 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	7.35 ug/l	126015	1,4-Dichlorobenzene-d4	13.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	43
2	Benzene, 1-(1-methylethenyl)-4-(...	160	C12H16	002388-14-9	38
3	Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	38
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021693-54-9	38
5	Benzene, 4-(2-butenyl)-1,2-dimet...	160	C12H16	054340-86-2	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_Y\DATA\VY120419\
Data File : VY000868.D
Acq On : 04 Dec 2019 18:06
Operator : SY/MD
Sample : K6135-05
Misc : 7.05G/5ML/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : VOC-36

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y112719S.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, 2-etheny...	14.68	8.4	ug/l	143450	4	13.42	857660	50.0
Naphthalene, 1,2,...	15.05	7.8	ug/l	134374	4	13.42	857660	50.0
unknown15.21	15.21	5.6	ug/l	96223	4	13.42	857660	50.0
1H-Indene, 2,3-di...	15.53	6.2	ug/l	106516	4	13.42	857660	50.0
1H-Indene, 2,3-di...	15.69	6.5	ug/l	112113	4	13.42	857660	50.0
Benzene, (1-methy...	15.73	6.1	ug/l	104768	4	13.42	857660	50.0
Naphthalene, 1,2,...	15.88	6.4	ug/l	110540	4	13.42	857660	50.0
unknown16.03	16.03	10.6	ug/l	181542	4	13.42	857660	50.0
Naphthalene, 1,2,...	16.23	10.5	ug/l	180174	4	13.42	857660	50.0
unknown16.48	16.48	7.3	ug/l	126015	4	13.42	857660	50.0