LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
Data File : VD070448.D
Acq On : 24 Sep 2021 12:08
Operator : VA/SY
Sample : M3913-01
Misc : 5.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TR-05-092321

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\82D090821S.M
Title : SW846 8260

Signal : TIC: VD070448.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.644	118	123	128	rBV7	10433	20223	2.28%	0.219%
2	4.956	506	516	518	rBV	24730	51750	5.84%	0.560%
3	5.991	683	692	697	rBV4	6153	15984	1.80%	0.173%
4	7.697	973	982	992	rBV5	5881	19125	2.16%	0.207%
5	7.908	1009	1018	1024	rBV	163466	406156	45.85%	4.397%
6	7.979	1024	1030	1040	rVB	272851	607572	68.59%	6.577%
7	8.332	1078	1090	1102	rVB	179124	429928	48.53%	4.654%
8	8.861	1171	1180	1189	rBV	418881	840343	94.87%	9.097%
9	10.332	1421	1430	1439	rBV	478165	877099	99.02%	9.495%
10	10.720	1490	1496	1501	rVB3	11256	19356	2.19%	0.210%
11	10.867	1517	1521	1528	rVB6	4896	10410	1.18%	0.113%
12	11.414	1609	1614	1618	rBV5	4626	9482	1.07%	0.103%
13	11.638	1644	1652	1662	rVB	509595	885821	100.00%	9.590%
14	11.738	1664	1669	1673	rBV2	22767	36577	4.13%	0.396%
15	11.849	1680	1688	1698	rBV3	26077	48100	5.43%	0.521%
16	12.143	1732	1738	1740	rBV2	5220	9098	1.03%	0.098%
17	12.179	1740	1744	1752	rVB7	9597	19453	2.20%	0.211%
18	12.255	1754	1757	1765	rVB7	5174	9189	1.04%	0.099%
19	12.473	1788	1794	1801	rBV4	28863	52508	5.93%	0.568%
20	12.620	1813	1819	1829	rVB	276882	481569	54.36%	5.213%
21	12.808	1844	1851	1855	rBV2	18009	32161	3.63%	0.348%
22	12.902	1859	1867	1870	rBV	46619	92929	10.49%	1.006%
23	12.943	1870	1874	1879	rVB6	48402	88763	10.02%	0.961%
24	13.114	1896	1903	1910	rBV2	52120	104865	11.84%	1.135%
25	13.208	1916	1919	1922	rBV5	7463	11153	1.26%	0.121%
26	13.255	1922	1927	1937	rVB	60101	104277	11.77%	1.129%
27	13.385	1944	1949	1952	rBV6	13269	24346	2.75%	0.264%
28	13.414	1952	1954	1956	rVV3	11900	13865	1.57%	0.150%
29	13.455	1957	1961	1964	rVV4	20881	31950	3.61%	0.346%
30	13.508	1965	1970	1973	rVV3	24031	45352	5.12%	0.491%
31	13.561	1973	1979	1989	rVB2	370408	688139	77.68%	7.450%
32	13.726	2000	2007	2009	rBV2	80981	120365	13.59%	1.303%
33	13.767	2009	2014	2019	rVV	275569	452203	51.05%	4.895%
34	13.884	2029	2034	2039	rVB5	54254	89062	10.05%	0.964%
35	13.955	2040	2046	2049	rVB3	30689	52607	5.94%	0.570%
36	14.014	2052	2056	2060	rBV2	39141	74151	8.37%	0.803%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
Data File : VD070448.D
Acq On : 24 Sep 2021 12:08
Operator : VA/SY
Sample : M3913-01
Misc : 5.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TR-05-092321

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\82D090821S.M
Title : SW846 8260

37	14.102	2066	2071	2077	rBV	149258	236657	26.72%	2.562%
38	14.167	2079	2082	2085	rVV5	12044	16726	1.89%	0.181%
39	14.214	2085	2090	2097	rVV3	110820	195901	22.12%	2.121%
40	14.349	2107	2113	2117	rBV7	26067	48298	5.45%	0.523%
41	14.426	2117	2126	2130	rVV2	95718	197031	22.24%	2.133%
42	14.467	2130	2133	2137	rVB	84506	107101	12.09%	1.159%
43	14.514	2137	2141	2147	rBV5	35819	79964	9.03%	0.866%
44	14.567	2147	2150	2154	rVV4	25218	28450	3.21%	0.308%
45	14.696	2167	2172	2177	rBV	132377	230142	25.98%	2.491%
46	14.820	2184	2193	2198	rBV3	225478	518400	58.52%	5.612%
47	14.873	2200	2202	2210	rVV5	49977	89495	10.10%	0.969%
48	14.967	2213	2218	2226	rVB2	114406	190083	21.46%	2.058%
49	15.079	2233	2237	2242	rVB6	32514	49978	5.64%	0.541%
50	15.190	2251	2256	2263	rVB5	30380	66491	7.51%	0.720%
51	15.343	2277	2282	2284	rBV5	15206	23949	2.70%	0.259%
52	15.384	2284	2289	2294	rVB	36070	64889	7.33%	0.702%
53	15.678	2332	2339	2342	rBV8	12928	27901	3.15%	0.302%
54	15.755	2347	2352	2358	rBV10	10308	21265	2.40%	0.230%
55	16.190	2421	2426	2427	rBV4	8026	10627	1.20%	0.115%
56	16.478	2469	2475	2480	rBV3	24264	50598	5.71%	0.548%
57	16.531	2482	2484	2488	rVB5	9509	11417	1.29%	0.124%
58	16.678	2501	2509	2517	rBV3	40900	95976	10.83%	1.039%

Sum of corrected areas: 9237270

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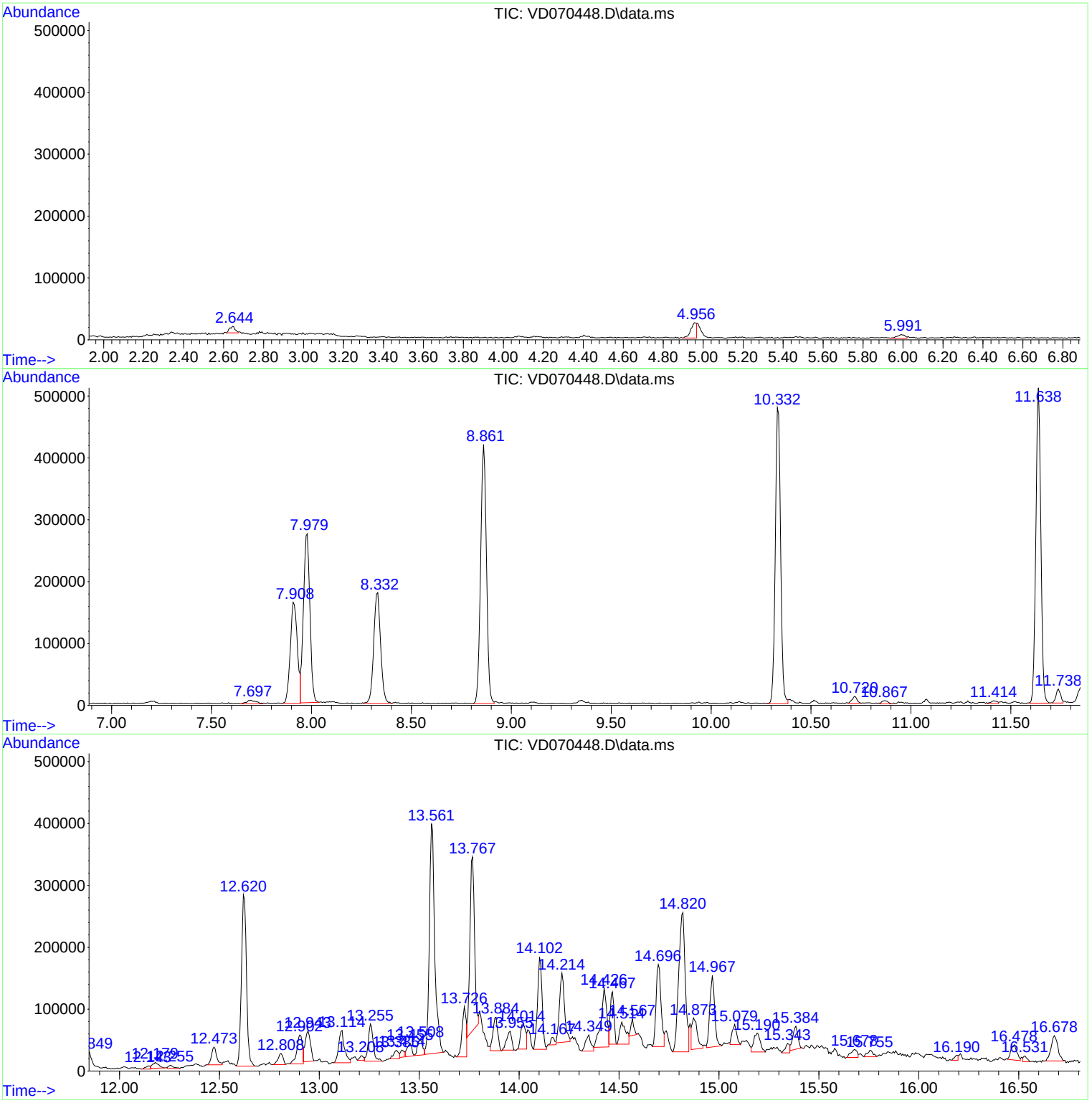
Misc : 5.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-05-092321

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
Data File : VD070448.D
Acq On : 24 Sep 2021 12:08
Operator : VA/SY
Sample : M3913-01
Misc : 5.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-05-092321

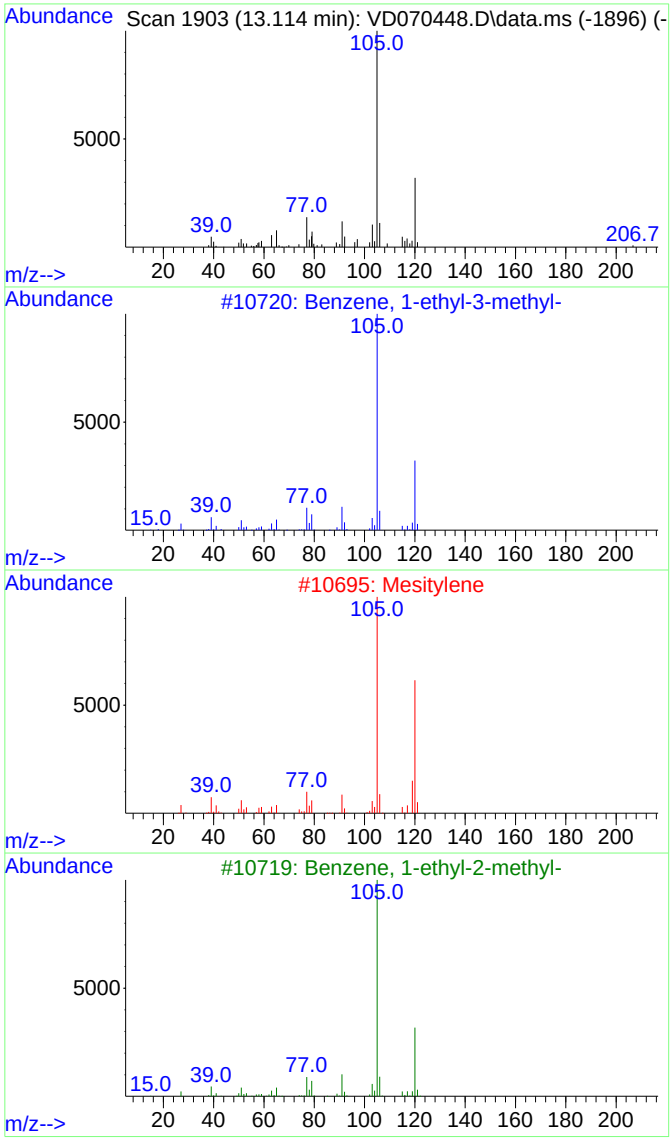
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

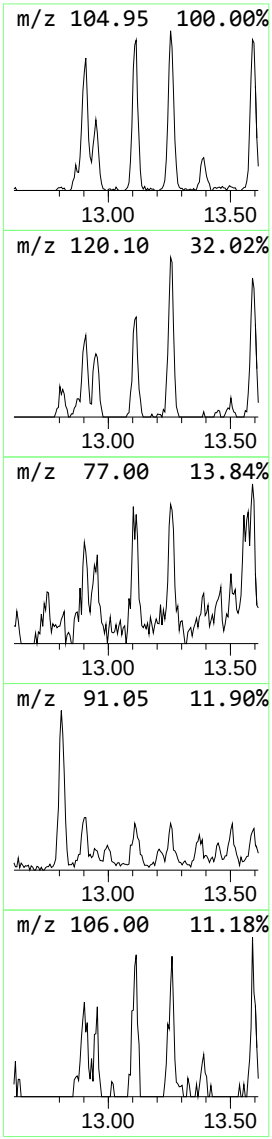
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.114	7.62 ug/l	104865	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
Data File : VD070448.D
Acq On : 24 Sep 2021 12:08
Operator : VA/SY
Sample : M3913-01
Misc : 5.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TR-05-092321

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

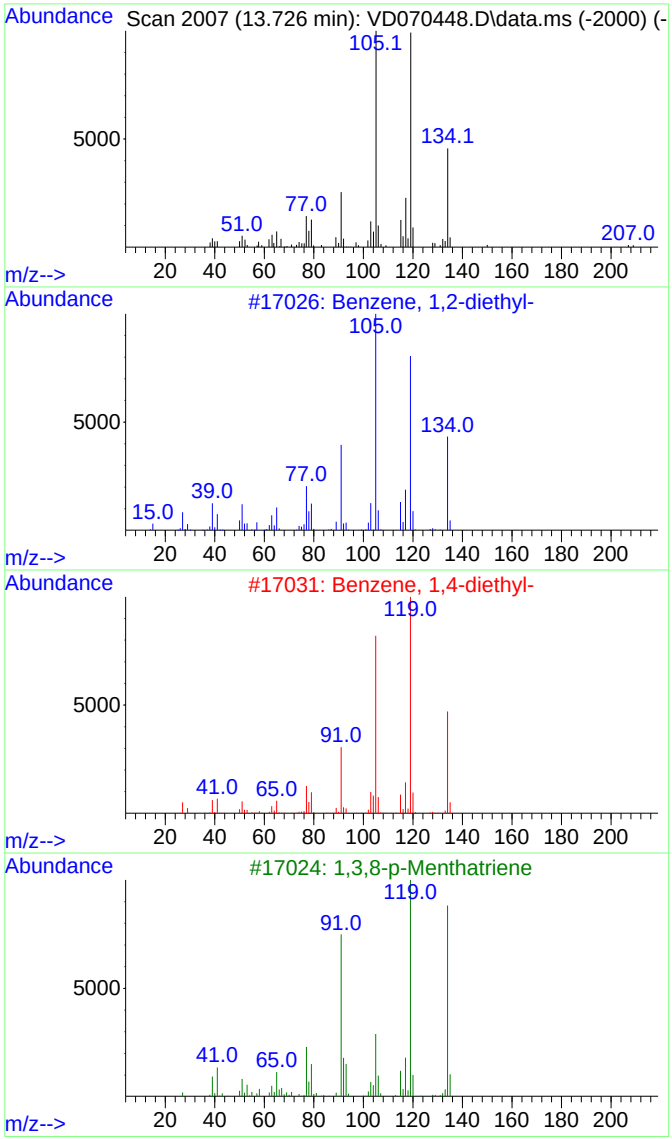
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

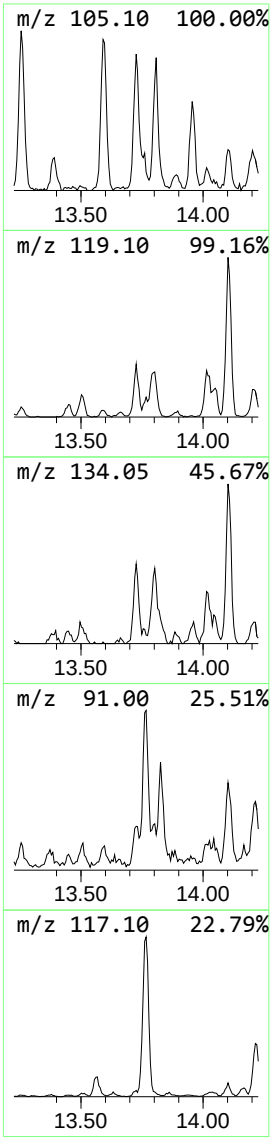
****

Peak Number 2 Benzene, 1,2-diethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.726	8.75 ug/l	120365	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	94
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	93
3	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	91
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	90
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
Data File : VD070448.D
Acq On : 24 Sep 2021 12:08
Operator : VA/SY
Sample : M3913-01
Misc : 5.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-05-092321

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

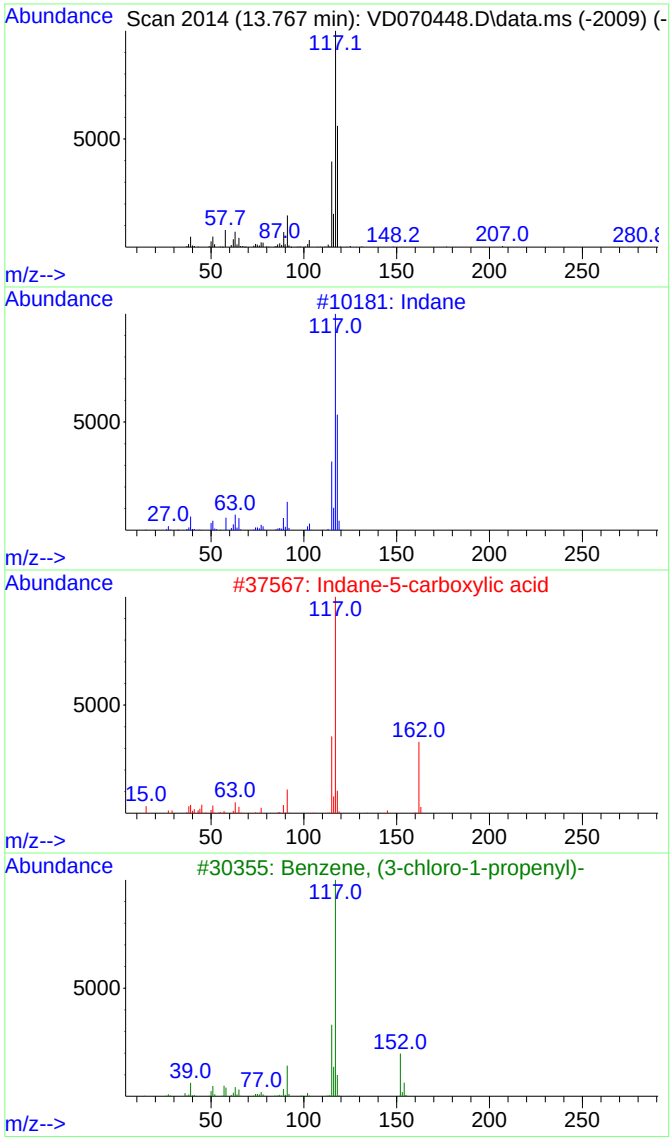
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

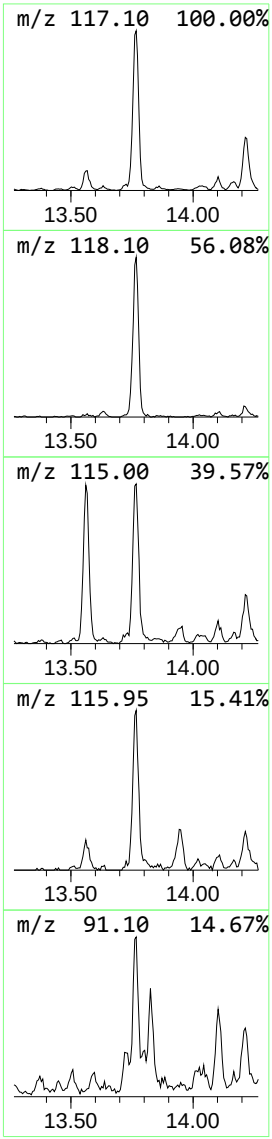
****

Peak Number 3 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.767	32.86 ug/l	452203	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	76
2	Indane-5-carboxylic acid	162	C10H10O2	065898-38-6	64
3	Benzene, (3-chloro-1-propenyl)-	152	C9H9Cl	002687-12-9	59
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	59
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
Data File : VD070448.D
Acq On : 24 Sep 2021 12:08
Operator : VA/SY
Sample : M3913-01
Misc : 5.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TR-05-092321

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

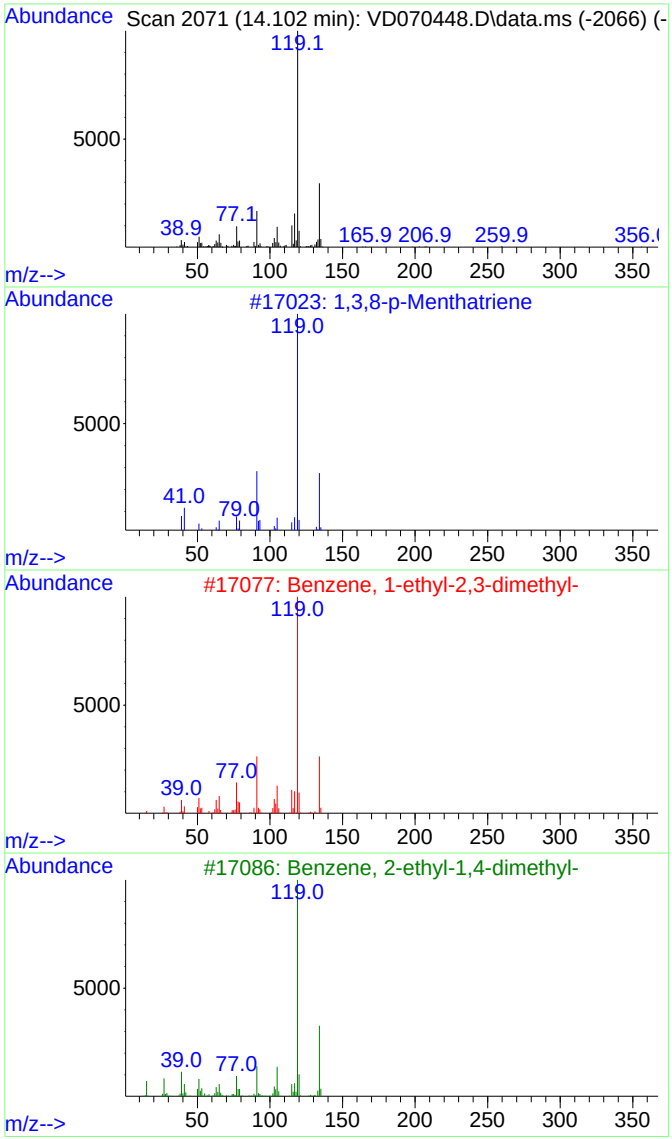
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

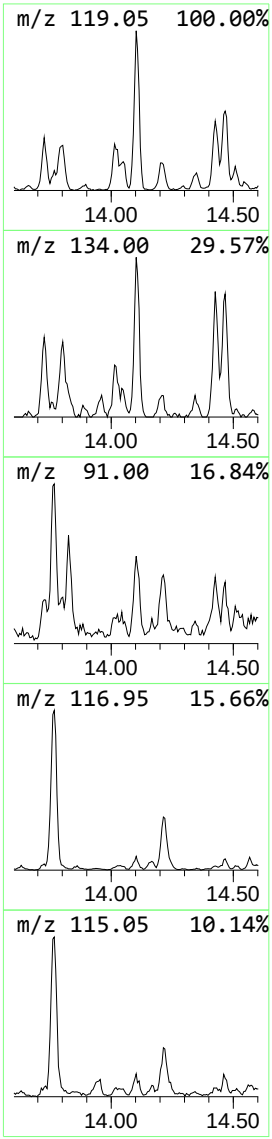
****

Peak Number 4 1,3,8-p-Menthatriene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.102	17.20 ug/l	236657	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	91
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
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Operator : VA/SY
Sample : M3913-01
Misc : 5.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TR-05-092321

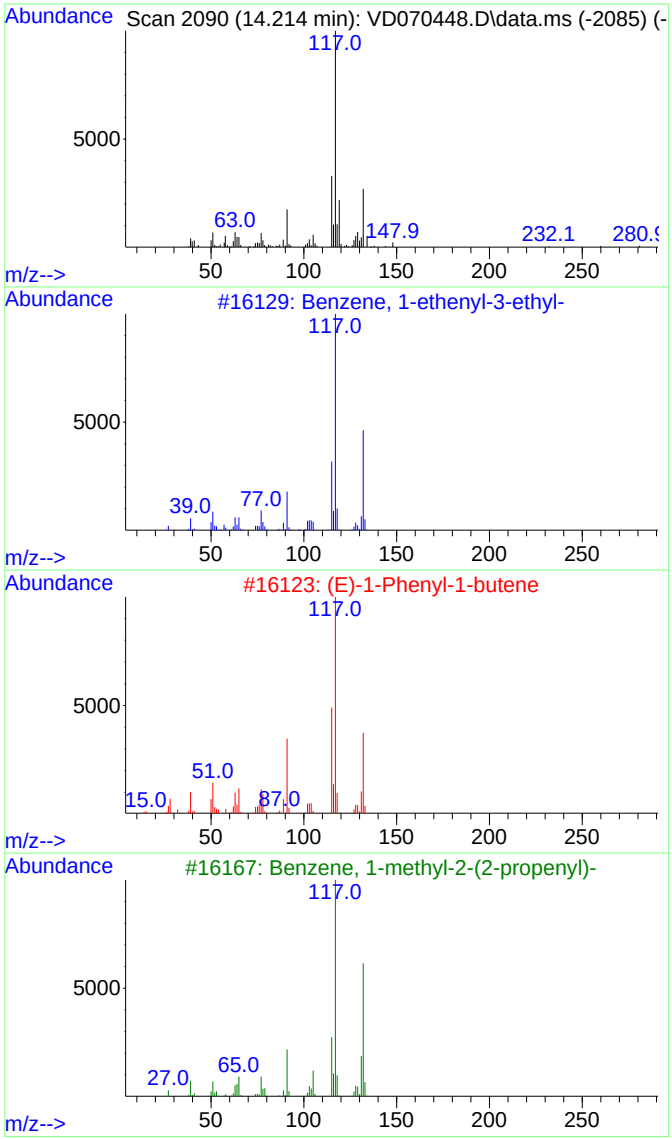
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

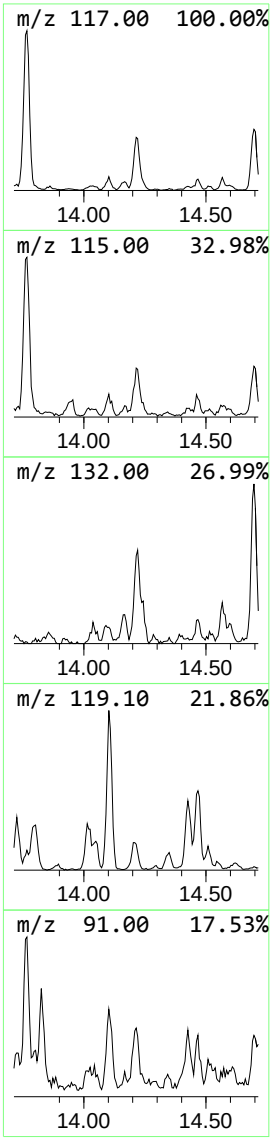
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.214	14.23 ug/l	195901	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	81
2	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	74
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	64
5	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
Data File : VD070448.D
Acq On : 24 Sep 2021 12:08
Operator : VA/SY
Sample : M3913-01
Misc : 5.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TR-05-092321

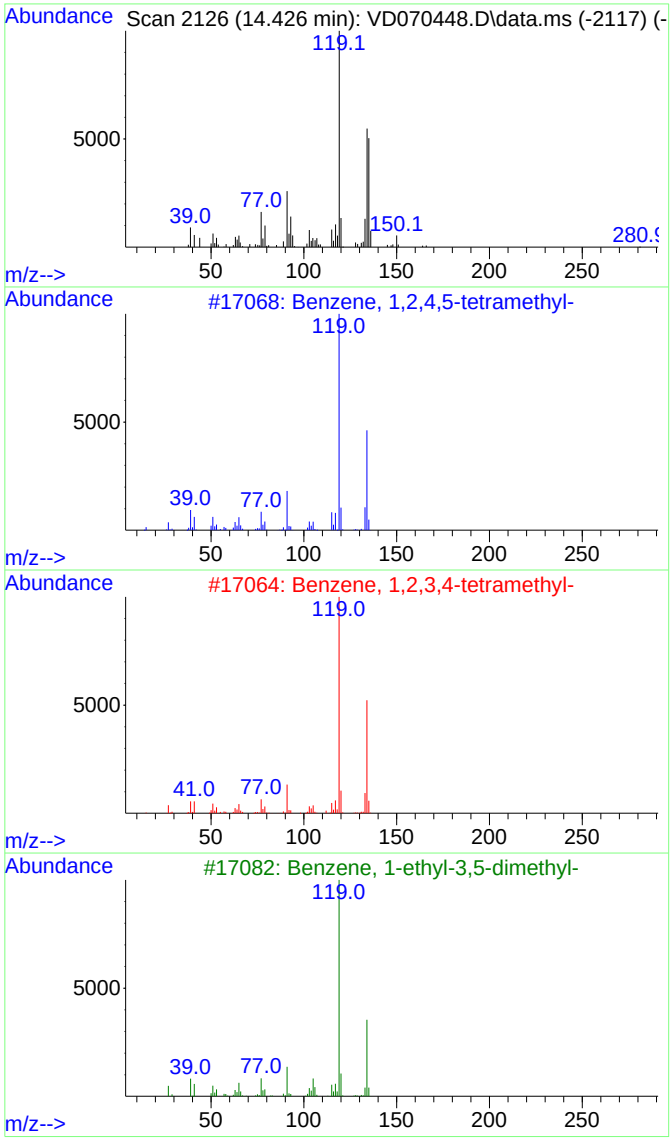
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

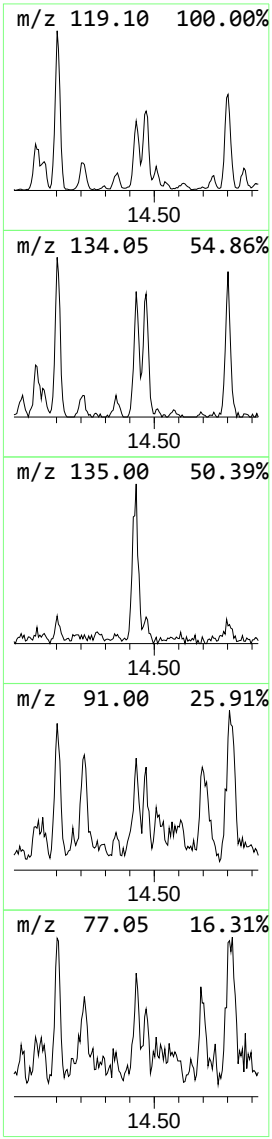
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.426	14.32 ug/l	197031	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	76
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	76
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
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Operator : VA/SY
Sample : M3913-01
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ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-05-092321

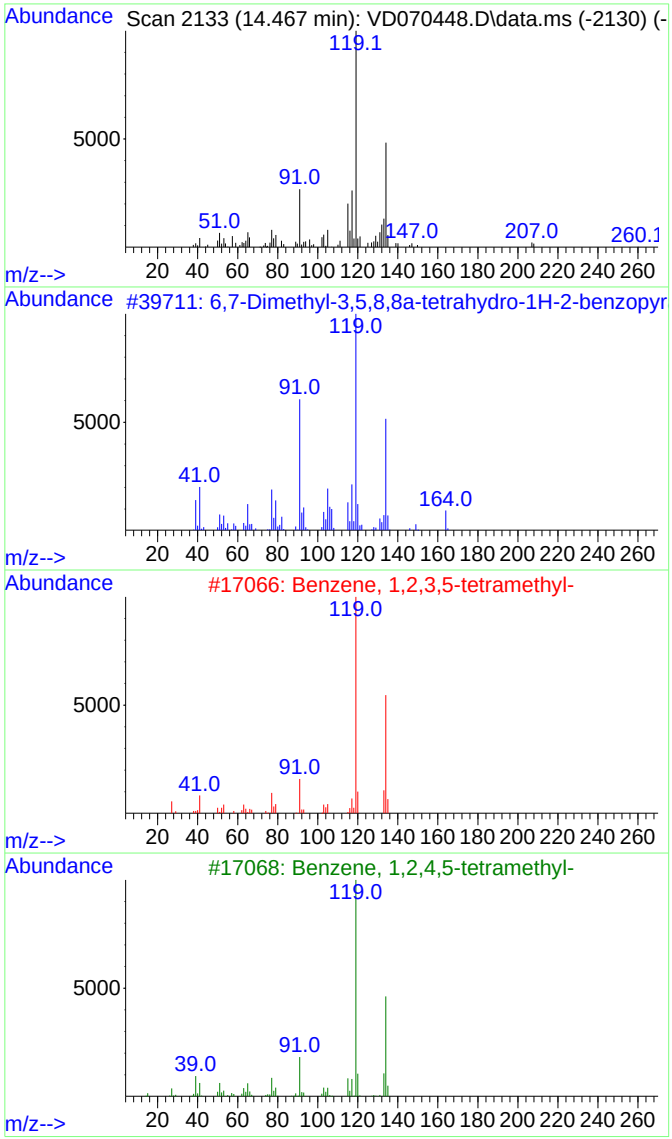
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

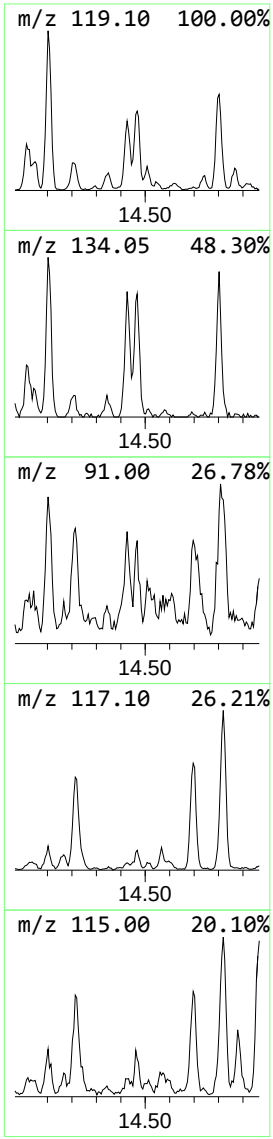
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 6,7-Dimethyl-3,5,8,8a-tetra... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.467	7.78 ug/l	107101	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,7-Dimethyl-3,5,8,8a-tetrahydro...	164	C11H16O	110028-10-9	64
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	58
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	58
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	58
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
Data File : VD070448.D
Acq On : 24 Sep 2021 12:08
Operator : VA/SY
Sample : M3913-01
Misc : 5.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TR-05-092321

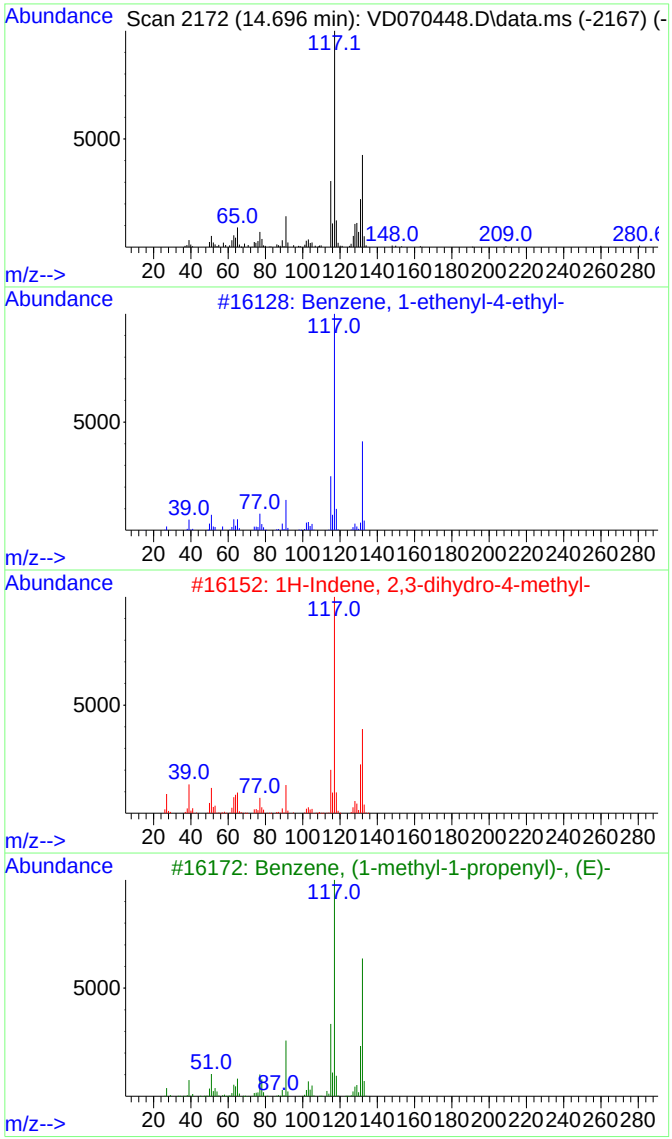
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

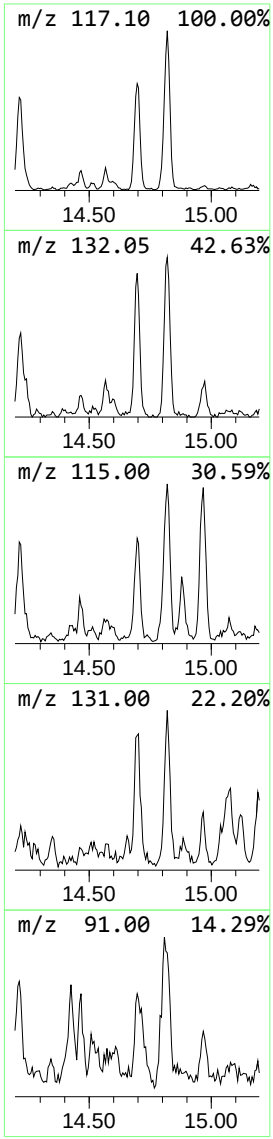
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.696	16.72 ug/l	230142	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	93
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	3-Phenylbut-1-ene	132	C10H12	000934-10-1	86
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
Data File : VD070448.D
Acq On : 24 Sep 2021 12:08
Operator : VA/SY
Sample : M3913-01
Misc : 5.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-05-092321

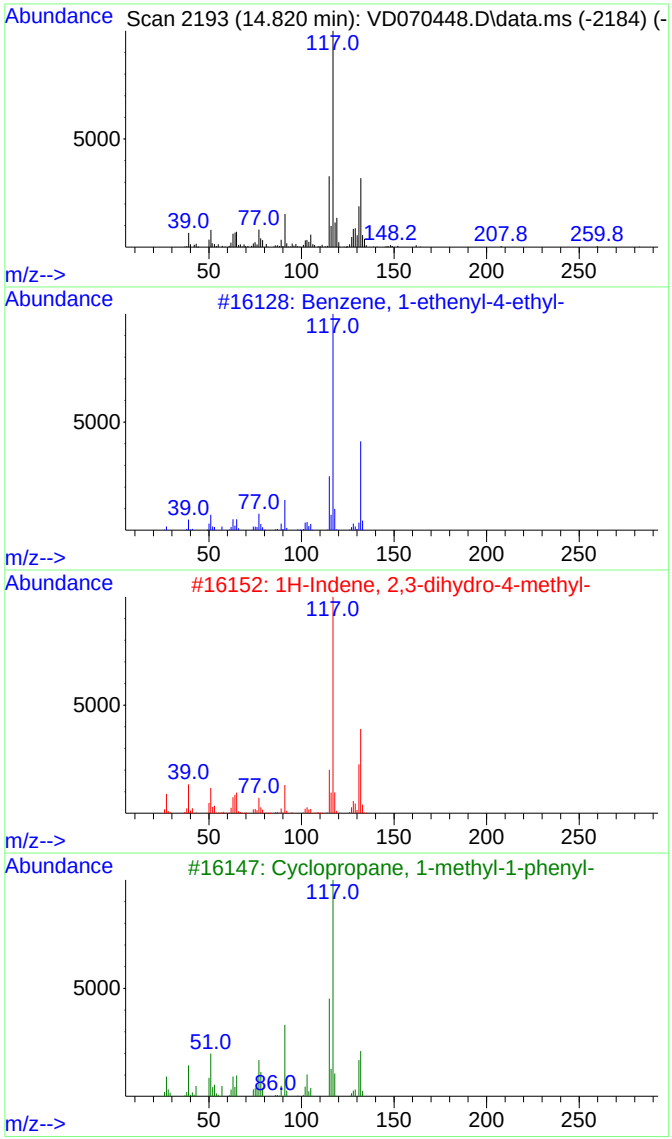
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

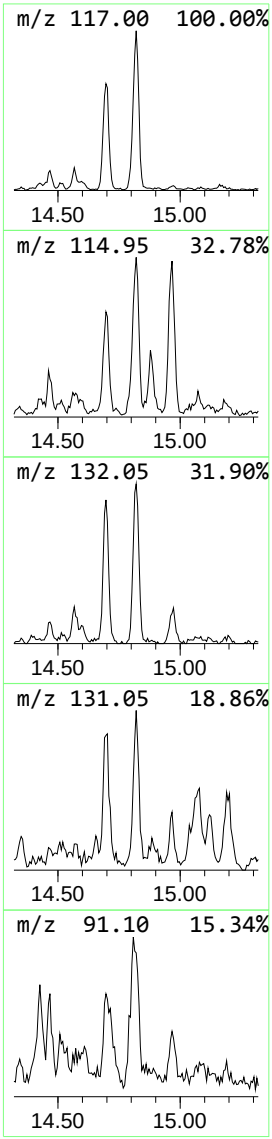
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.820	37.67 ug/l	518400	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	87
2	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
3	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	87
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
Data File : VD070448.D
Acq On : 24 Sep 2021 12:08
Operator : VA/SY
Sample : M3913-01
Misc : 5.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TR-05-092321

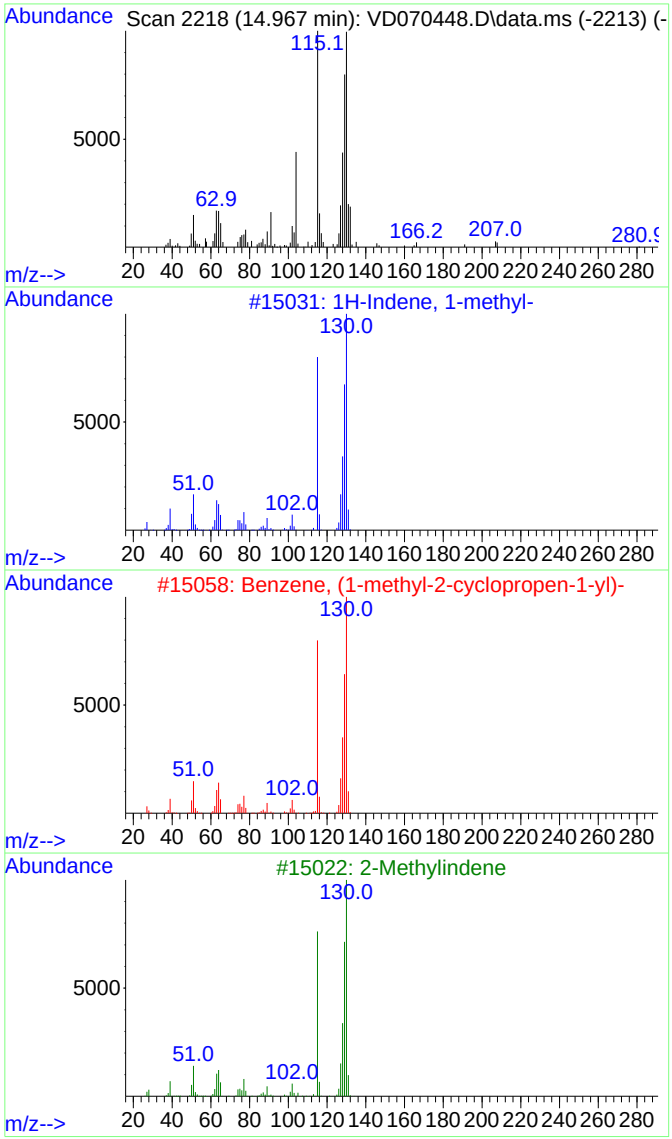
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

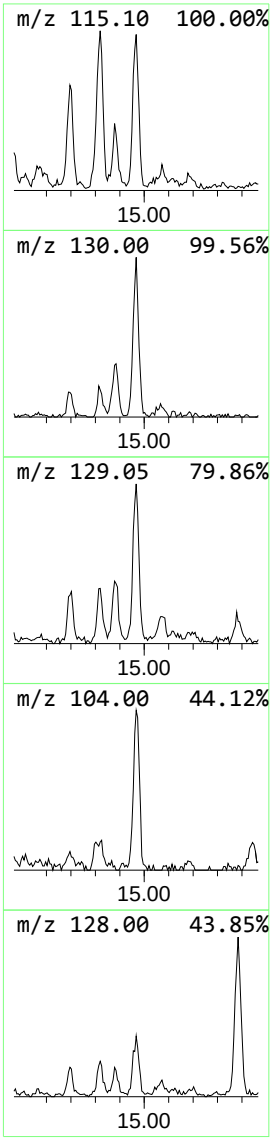
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1H-Indene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.967	13.81 ug/l	190083	1,4-Dichlorobenzene-d4	13.567

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	93
2	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93
3	2-Methylindene	130	C10H10	002177-47-1	93
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	83
5	Naphthalene, 1,2-dihydro-	130	C10H10	000447-53-0	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD092421\
Data File : VD070448.D
Acq On : 24 Sep 2021 12:08
Operator : VA/SY
Sample : M3913-01
Misc : 5.01G/5.00ml/MSVOA_D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : TR-05-092321

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090821S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethy...	13.114	7.6	ug/l	104865	4	13.567	688139	50.0
Benzene, 1,2-di...	13.726	8.8	ug/l	120365	4	13.567	688139	50.0
Indane	13.767	32.9	ug/l	452203	4	13.567	688139	50.0
1,3,8-p-Menthat...	14.102	17.2	ug/l	236657	4	13.567	688139	50.0
Benzene, 1-ethe...	14.214	14.2	ug/l	195901	4	13.567	688139	50.0
Benzene, 1,2,4,...	14.426	14.3	ug/l	197031	4	13.567	688139	50.0
6,7-Dimethyl-3,...	14.467	7.8	ug/l	107101	4	13.567	688139	50.0
Benzene, 1-ethe...	14.696	16.7	ug/l	230142	4	13.567	688139	50.0
1H-Indene, 2,3-...	14.820	37.7	ug/l	518400	4	13.567	688139	50.0
1H-Indene, 1-me...	14.967	13.8	ug/l	190083	4	13.567	688139	50.0