LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
Data File : VD065905.D
Acq On : 01 Jul 2020 14:54
Operator : VA/SY
Sample : L3160-01
Misc : 9.63G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MUDDY-DRUM

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\82D062620S.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	7.914	1009	1019	1024	rBV	80738	196124	1.04%	0.164%
2	7.979	1024	1030	1040	rVB	156202	343978	1.83%	0.288%
3	8.350	1076	1093	1104	rBV2	381412	955498	5.08%	0.799%
4	8.861	1172	1180	1191	rBV	222639	445524	2.37%	0.372%
5	10.338	1423	1431	1437	rBV	306258	591793	3.14%	0.495%
6	10.403	1437	1442	1455	rVB	703688	1259717	6.69%	1.053%
7	11.650	1644	1654	1661	rBV	287566	517948	2.75%	0.433%
8	11.749	1661	1671	1677	rBV	1448394	2440844	12.97%	2.040%
9	11.855	1681	1689	1701	rVB	7823178	14423042	76.61%	12.057%
10	12.185	1733	1745	1753	rBV	3879365	6465709	34.35%	5.405%
11	12.479	1786	1795	1800	rBV	125603	249859	1.33%	0.209%
12	12.638	1816	1822	1833	rVB	222645	407810	2.17%	0.341%
13	12.755	1833	1842	1847	rBV	144776	245785	1.31%	0.205%
14	12.826	1847	1854	1859	rBV	763060	1193539	6.34%	0.998%
15	12.885	1859	1864	1868	rVV	2704971	4650720	24.70%	3.888%
16	12.920	1868	1870	1873	rVV	1429409	1817448	9.65%	1.519%
17	12.961	1873	1877	1884	rVB	3673553	5768461	30.64%	4.822%
18	13.126	1897	1905	1914	rBV	1050712	1844128	9.80%	1.542%
19	13.273	1921	1930	1937	rBV	11570382	17970933	95.46%	15.022%
20	13.391	1943	1950	1957	rBV4	189673	397168	2.11%	0.332%
21	13.467	1958	1963	1968	rVV3	140554	233776	1.24%	0.195%
22	13.526	1968	1973	1978	rVB3	169228	272629	1.45%	0.228%
23	13.608	1978	1987	1991	rBV	2941481	5388991	28.63%	4.505%
24	13.649	1991	1994	2003	rVB	2085146	3049699	16.20%	2.549%
25	13.738	2003	2009	2011	rBV2	375642	624001	3.31%	0.522%
26	13.779	2011	2016	2032	rVB2	6468907	12416080	65.95%	10.379%
27	13.961	2041	2047	2055	rVB	2551240	4333491	23.02%	3.622%
28	14.038	2055	2060	2062	rBV	352591	552381	2.93%	0.462%
29	14.067	2062	2065	2069	rVV	403168	569254	3.02%	0.476%
30	14.120	2069	2074	2080	rVB3	774357	1319297	7.01%	1.103%
31	14.185	2080	2085	2089	rBV2	202739	326327	1.73%	0.273%
32	14.232	2089	2093	2097	rBV2	194200	282343	1.50%	0.236%
33	14.367	2111	2116	2120	rVB	142727	220242	1.17%	0.184%
34	14.449	2120	2130	2133	rBV2	484846	998231	5.30%	0.834%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
Data File : VD065905.D
Acq On : 01 Jul 2020 14:54
Operator : VA/SY
Sample : L3160-01
Misc : 9.63G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MUDDY-DRUM

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\82D062620S.M
Title : SW846 8260

35	14.485	2133	2136	2141	rVV	939253	1438330	7.64%	1.202%
36	14.532	2141	2144	2148	rVV4	129532	213762	1.14%	0.179%
37	14.591	2148	2154	2157	rVV3	306491	539495	2.87%	0.451%
38	14.720	2170	2176	2181	rBV	390962	639359	3.40%	0.534%
39	14.826	2188	2194	2202	rBV2	576006	1234041	6.56%	1.032%
40	14.902	2202	2207	2215	rVB	451834	773499	4.11%	0.647%
41	14.991	2215	2222	2229	rBV	718239	1230899	6.54%	1.029%
42	15.091	2231	2239	2245	rBV3	100852	237838	1.26%	0.199%
43	15.408	2284	2293	2302	rVV	10201474	18825629	100.00%	15.737%
44	15.508	2305	2310	2319	rVB	91691	197065	1.05%	0.165%
45	16.502	2471	2479	2487	rBV	490863	1058244	5.62%	0.885%
46	16.708	2506	2514	2524	rVB	204808	467378	2.48%	0.391%

Sum of corrected areas: 119628309

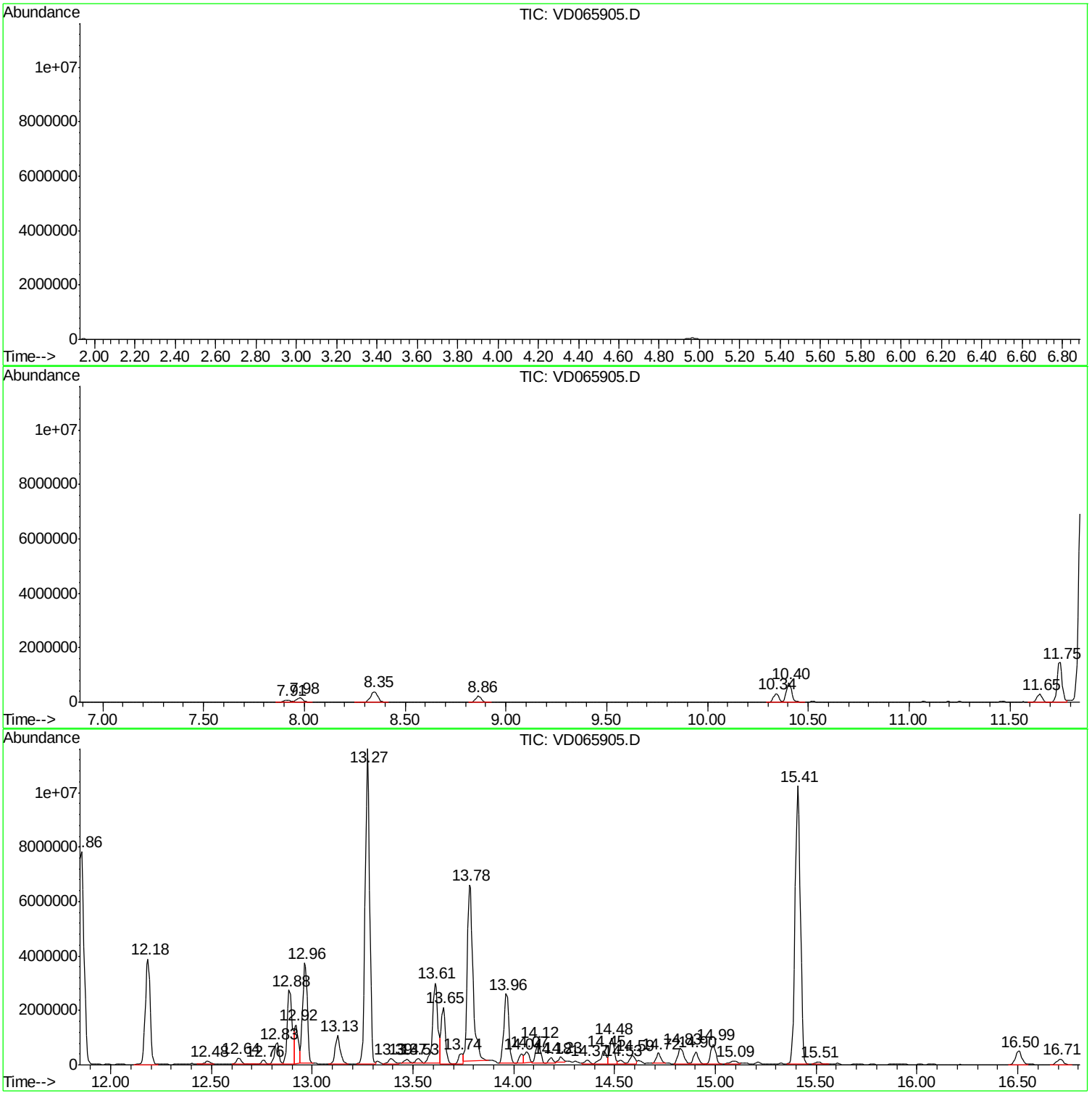
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
Data File : VD065905.D
Acq On : 01 Jul 2020 14:54
Operator : VA/SY
Sample : L3160-01
Misc : 9.63G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
MUDDY-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
Quant Title : SW846 8260

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



Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
Data File : VD065905.D
Acq On : 01 Jul 2020 14:54
Operator : VA/SY
Sample : L3160-01
Misc : 9.63G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MUDDY-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
Quant Title : SW846 8260

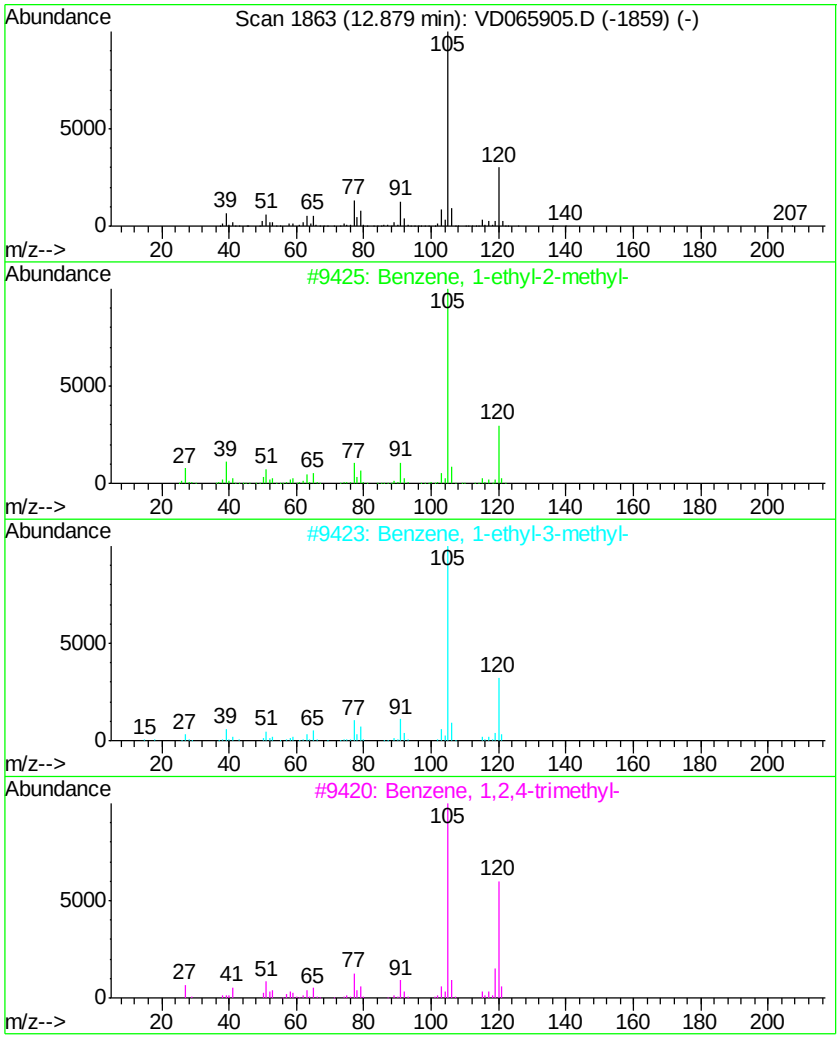
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

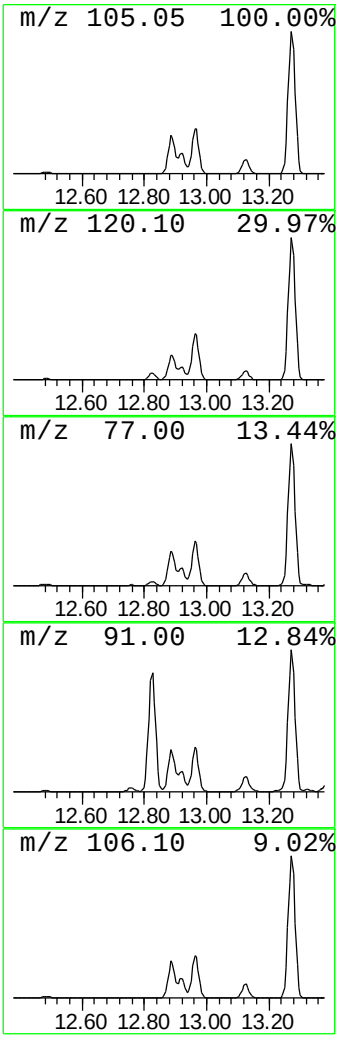
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	43.15 ug/l	4650720	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	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
Data File : VD065905.D
Acq On : 01 Jul 2020 14:54
Operator : VA/SY
Sample : L3160-01
Misc : 9.63G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MUDDY-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
Quant Title : SW846 8260

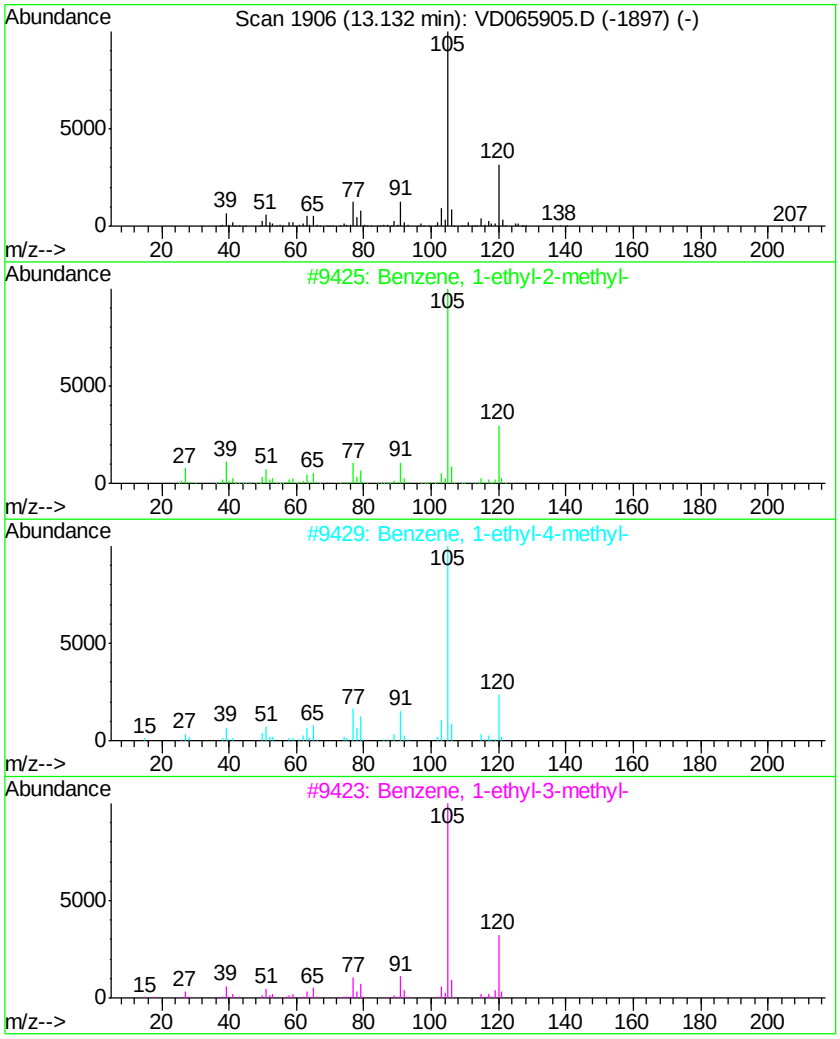
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

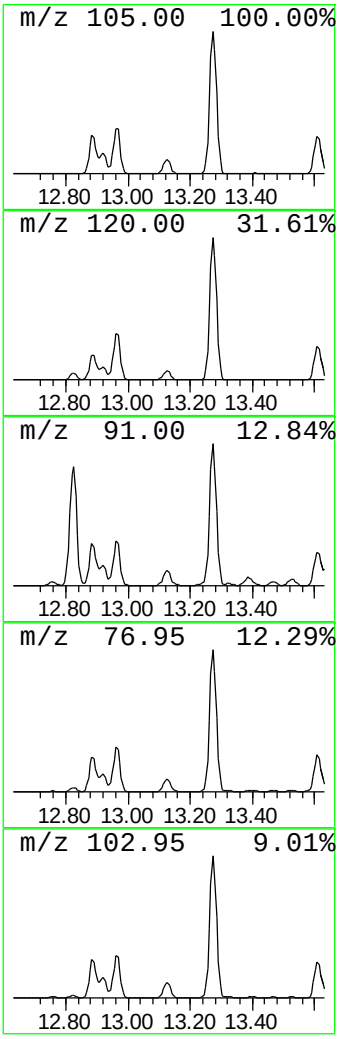
****

Peak Number 2 Benzene, 1-ethyl-4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	17.11 ug/l	1844130	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-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
Data File : VD065905.D
Acq On : 01 Jul 2020 14:54
Operator : VA/SY
Sample : L3160-01
Misc : 9.63G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MUDDY-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
Quant Title : SW846 8260

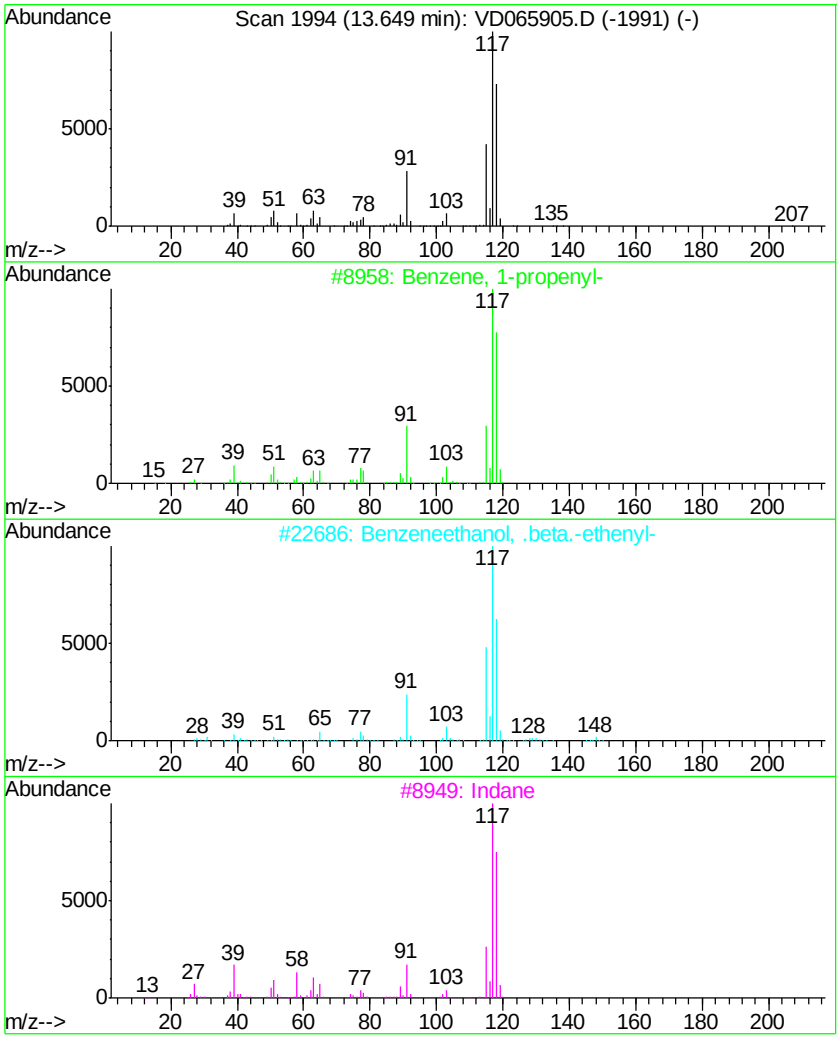
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

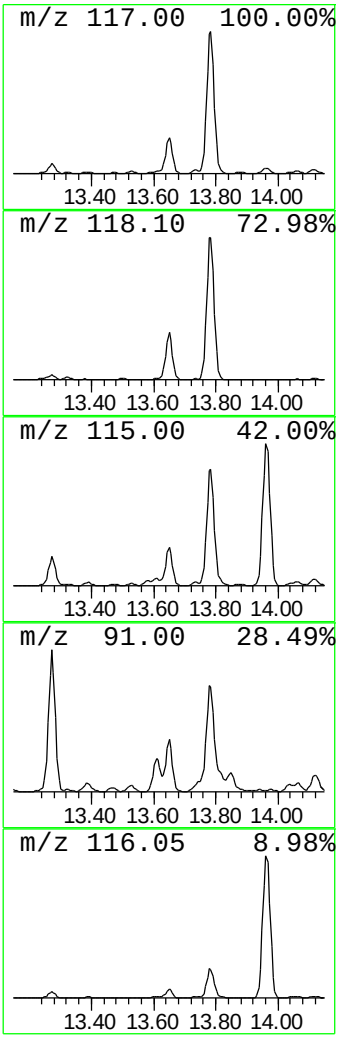
****

Peak Number 3 Benzene, 1-propenyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	28.30 ug/l	3049700	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propenyl-	118	C9H10	000637-50-3	86
2	Benzeneethanol, .beta.-ethenyl-	148	C10H12O	006052-63-7	78
3	Indane	118	C9H10	000496-11-7	76
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	70
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	64





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
Data File : VD065905.D
Acq On : 01 Jul 2020 14:54
Operator : VA/SY
Sample : L3160-01
Misc : 9.63G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MUDDY-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
Quant Title : SW846 8260

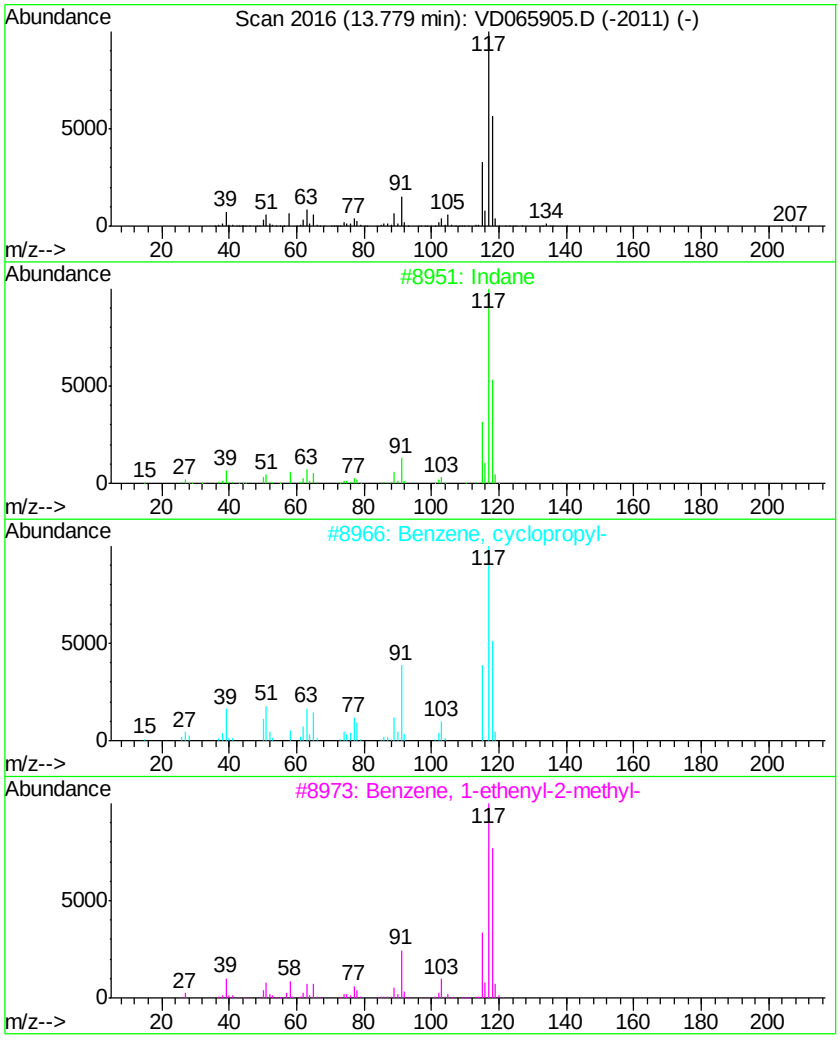
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

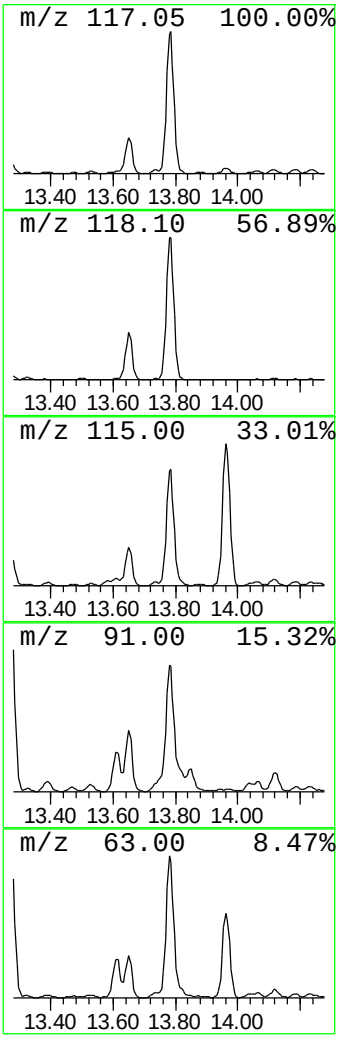
****

Peak Number 4 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	115.20 ug/l	12416100	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, cyclopropyl-	118	C9H10	000873-49-4	81
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	64
4	Deltacyclene	118	C9H10	007785-10-6	64
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	53





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
Data File : VD065905.D
Acq On : 01 Jul 2020 14:54
Operator : VA/SY
Sample : L3160-01
Misc : 9.63G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MUDDY-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
Quant Title : SW846 8260

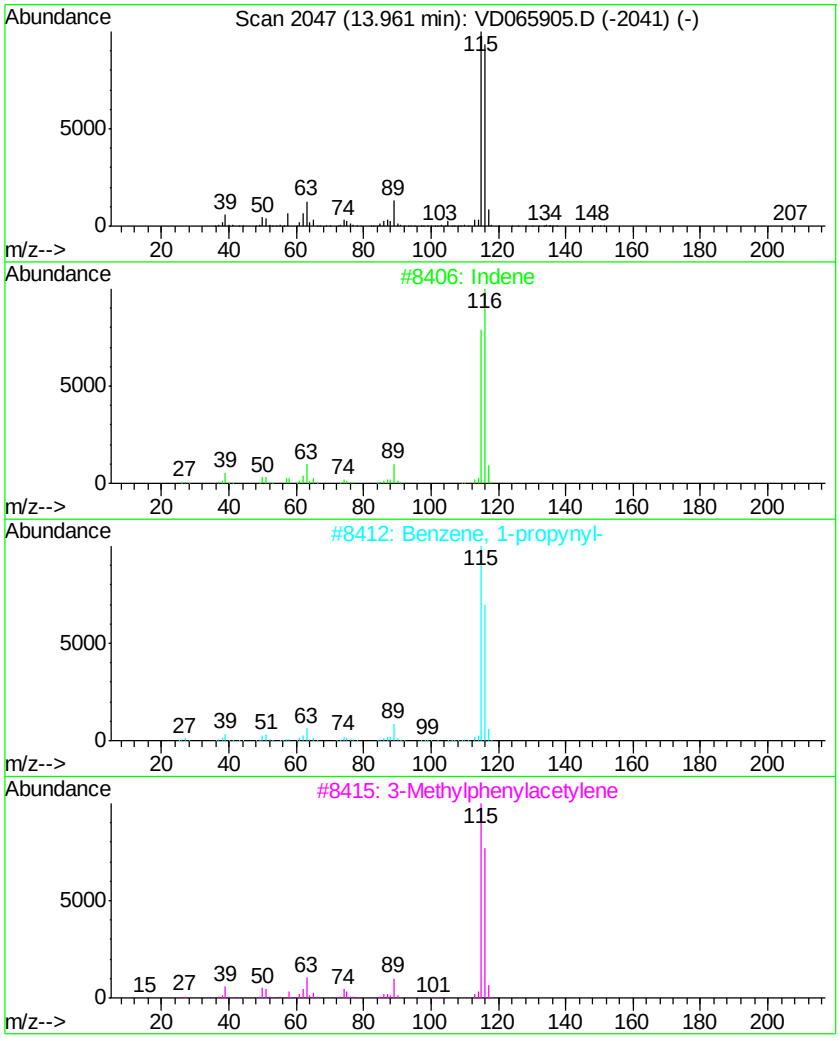
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

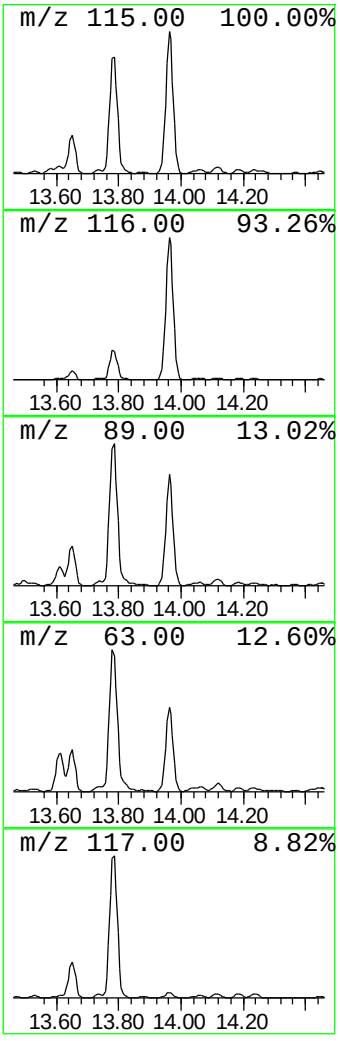
****

Peak Number 5 Indene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	40.21 ug/l	4333490	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	94
4	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
Data File : VD065905.D
Acq On : 01 Jul 2020 14:54
Operator : VA/SY
Sample : L3160-01
Misc : 9.63G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MUDDY-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
Quant Title : SW846 8260

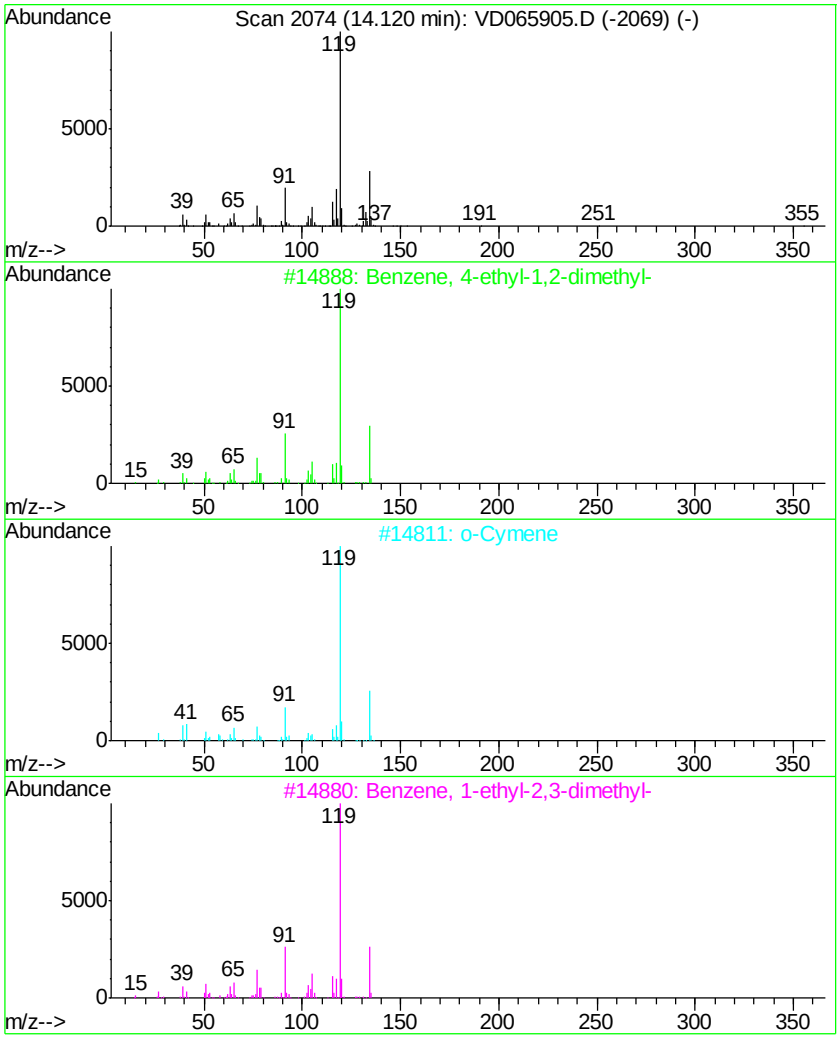
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

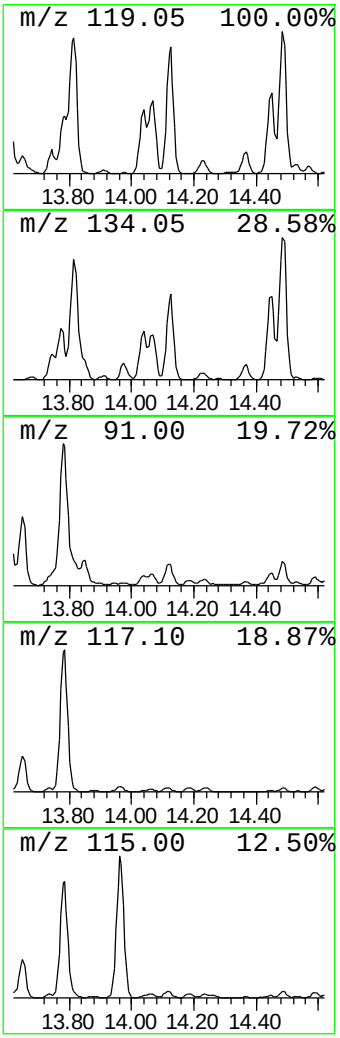
****

Peak Number 6 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.12	12.24 ug/l	1319300	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
Data File : VD065905.D
Acq On : 01 Jul 2020 14:54
Operator : VA/SY
Sample : L3160-01
Misc : 9.63G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MUDDY-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
Quant Title : SW846 8260

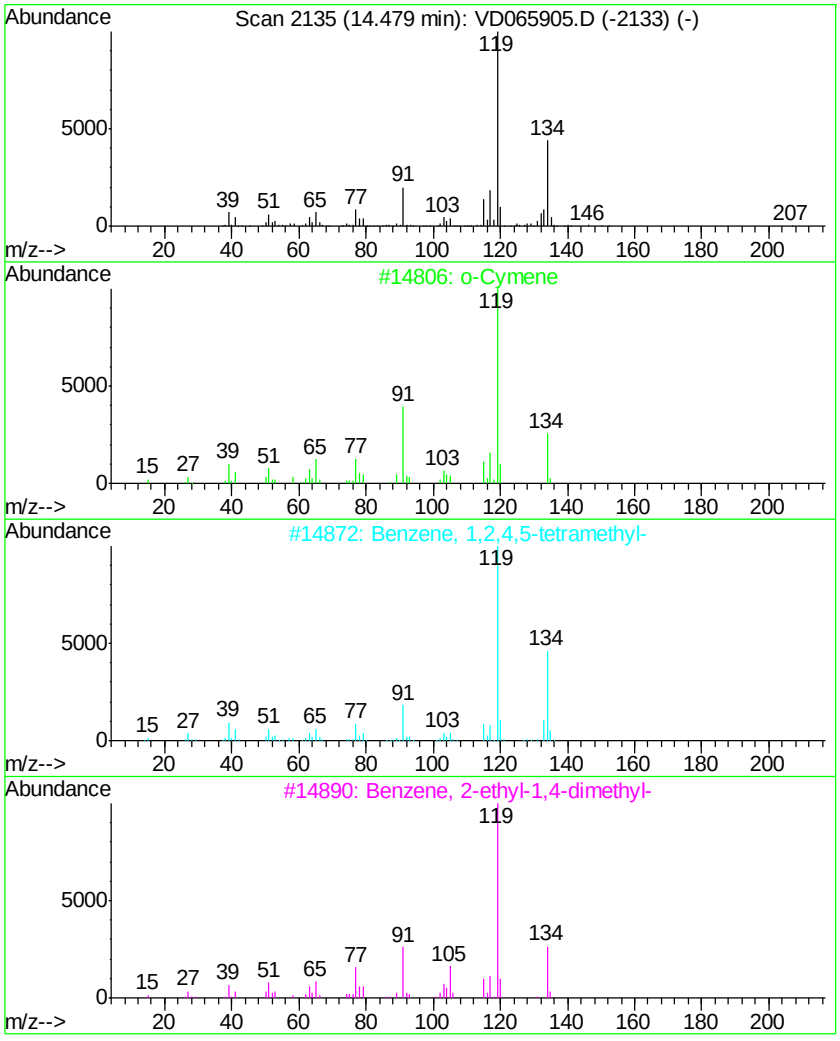
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

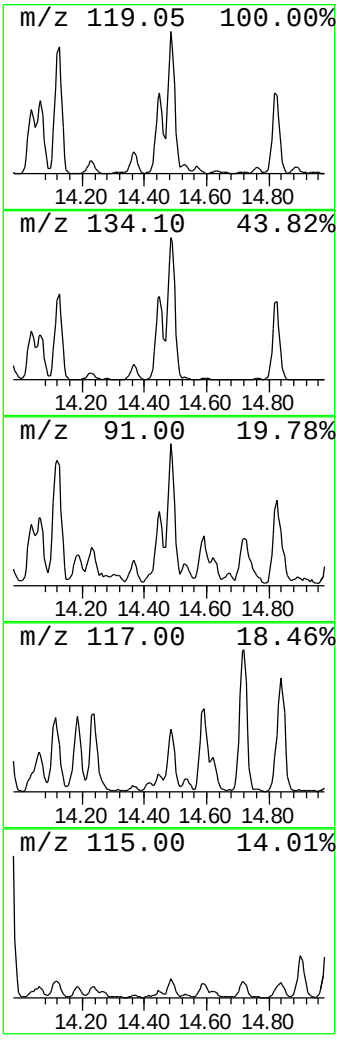
****

Peak Number 7 o-Cymene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.48	13.35 ug/l	1438330	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	94
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
3	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
Data File : VD065905.D
Acq On : 01 Jul 2020 14:54
Operator : VA/SY
Sample : L3160-01
Misc : 9.63G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MUDDY-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
Quant Title : SW846 8260

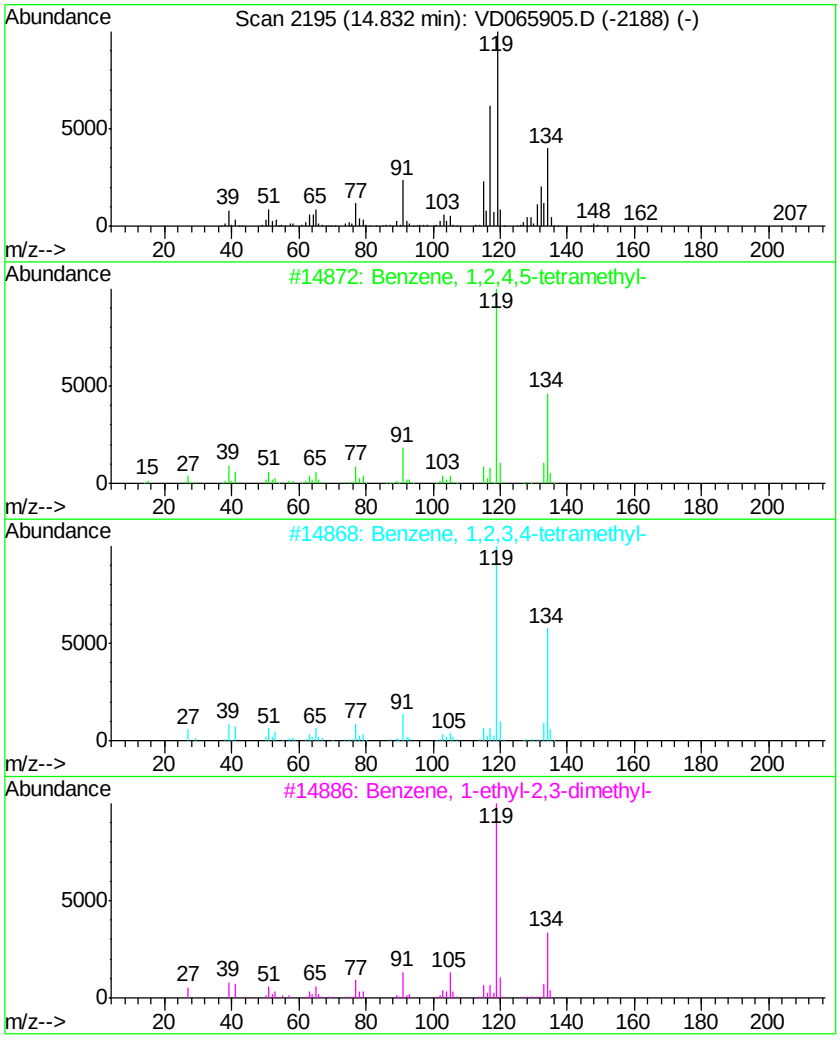
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

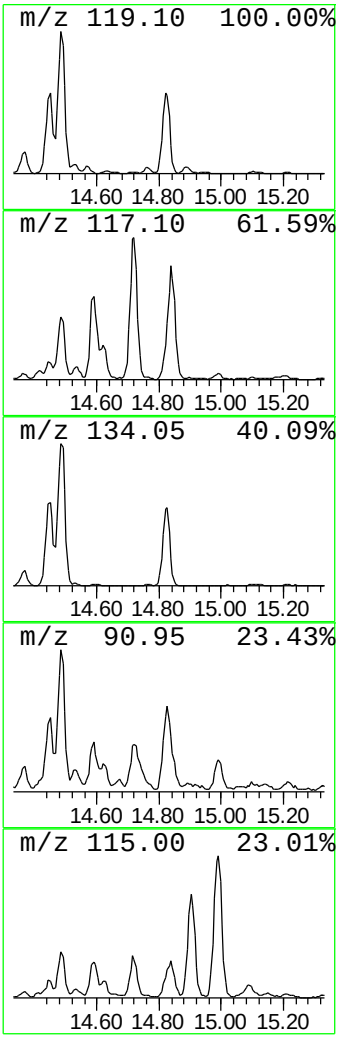
****

Peak Number 8 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.83	11.45 ug/l	1234040	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	87
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	76
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	76





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
Data File : VD065905.D
Acq On : 01 Jul 2020 14:54
Operator : VA/SY
Sample : L3160-01
Misc : 9.63G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MUDDY-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
Quant Title : SW846 8260

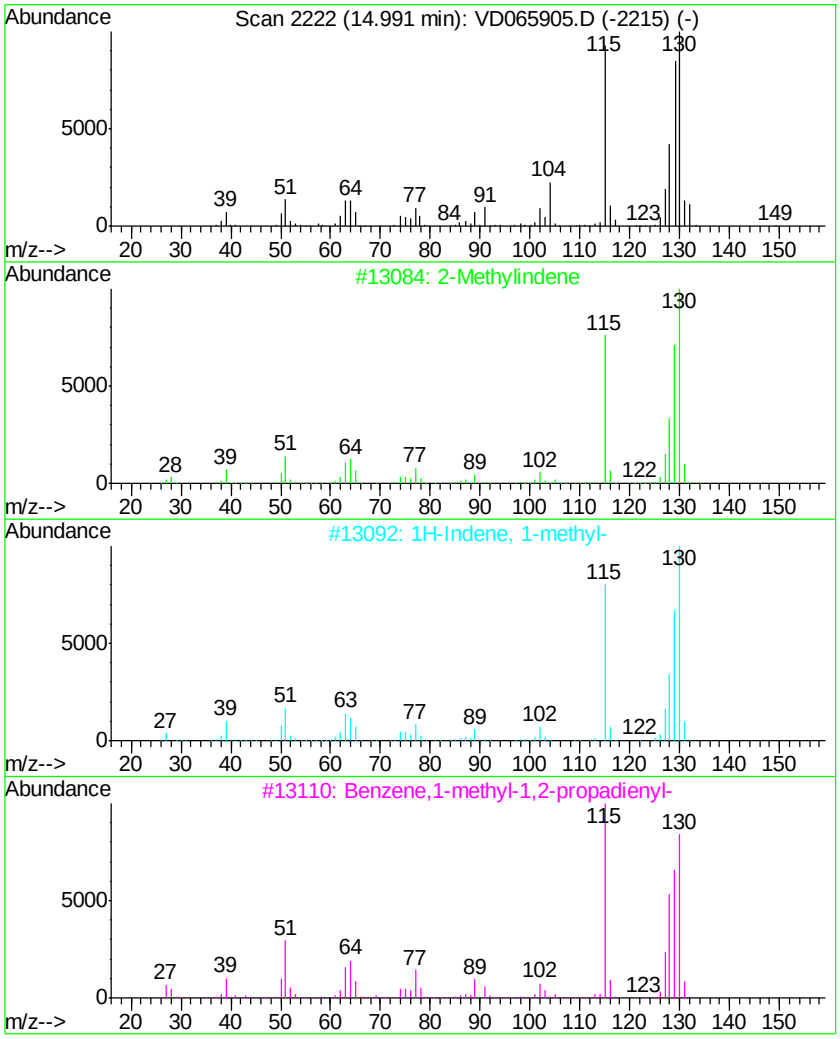
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

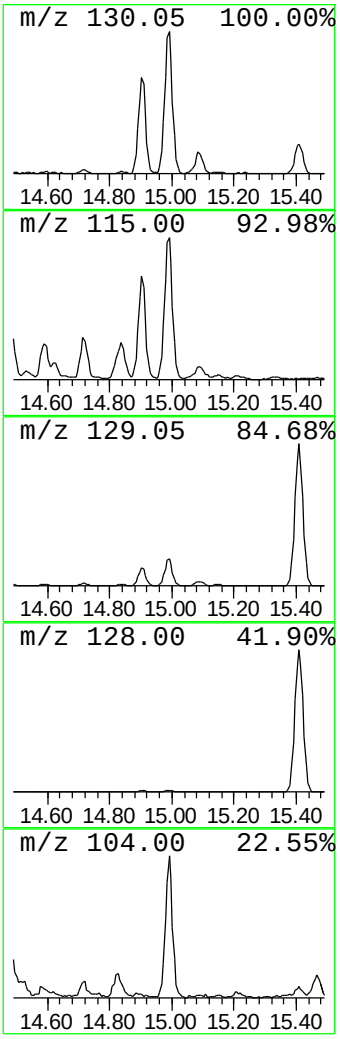
****

Peak Number 9 2-Methylindene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.99	11.42 ug/l	1230900	1,4-Dichlorobenzene-d4	13.58

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





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD070120\
Data File : VD065905.D
Acq On : 01 Jul 2020 14:54
Operator : VA/SY
Sample : L3160-01
Misc : 9.63G/5.00ml/MSVOA D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MUDDY-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.M
Quant Title : SW846 8260

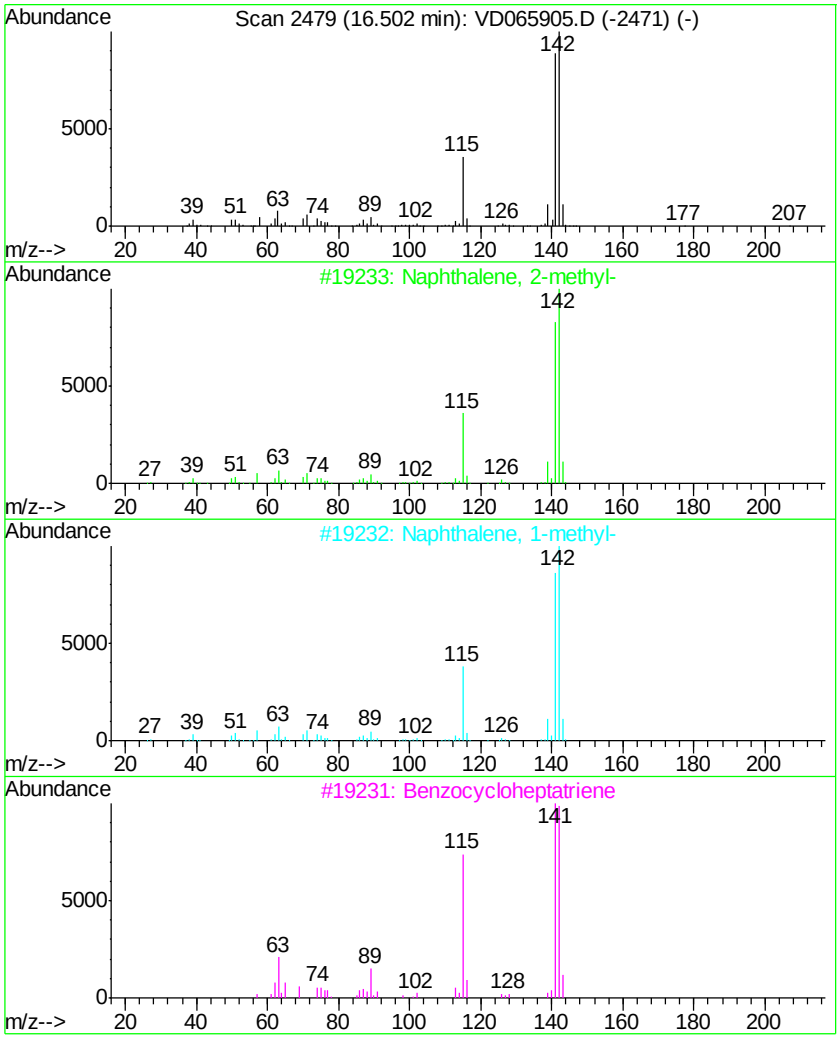
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

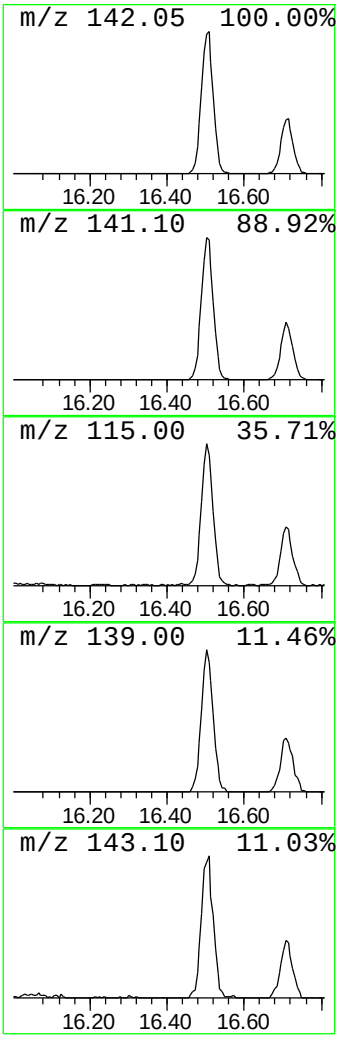
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.50	9.82 ug/l	1058240	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	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD070120\
Data File : VD065905.D
Acq On : 01 Jul 2020 14:54
Operator : VA/SY
Sample : L3160-01
Misc : 9.63G/5.00ml/MSVOA_D/SOIL
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : MUDDY-DRUM

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D062620S.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-...	12.88	43.1	ug/l	4650720	4	13.58	5388990	50.0
Benzene, 1-ethyl-...	13.13	17.1	ug/l	1844130	4	13.58	5388990	50.0
Benzene, 1-propenyl-	13.65	28.3	ug/l	3049700	4	13.58	5388990	50.0
Indane	13.78	115.2	ug/l	12416100	4	13.58	5388990	50.0
Indene	13.96	40.2	ug/l	4333490	4	13.58	5388990	50.0
Benzene, 4-ethyl-...	14.12	12.2	ug/l	1319300	4	13.58	5388990	50.0
o-Cymene	14.48	13.4	ug/l	1438330	4	13.58	5388990	50.0
Benzene, 1,2,4,5-...	14.83	11.4	ug/l	1234040	4	13.58	5388990	50.0
2-Methylindene	14.99	11.4	ug/l	1230900	4	13.58	5388990	50.0
Naphthalene, 1-me...	16.50	9.8	ug/l	1058240	4	13.58	5388990	50.0