LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
Data File : VD066021.D
Acq On : 23 Jul 2020 13:45
Operator : VA/SY
Sample : L3363-01
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 81-83

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\82D072120S.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	4.150	370	379	393	rVB	66623	183727	1.53%	0.293%
2	6.944	843	854	862	rBV2	57873	172228	1.43%	0.275%
3	7.920	1010	1020	1025	rBV	212681	537080	4.47%	0.857%
4	7.979	1025	1030	1040	rVB	357849	816972	6.80%	1.304%
5	8.338	1081	1091	1101	rBV2	187888	495910	4.12%	0.791%
6	8.508	1112	1120	1127	rBV	84268	189239	1.57%	0.302%
7	8.726	1148	1157	1166	rBV2	69818	160102	1.33%	0.256%
8	8.867	1173	1181	1193	rBV	561601	1110784	9.24%	1.773%
9	9.432	1269	1277	1284	rVB3	72636	166318	1.38%	0.265%
10	9.779	1329	1336	1347	rVB	81719	168192	1.40%	0.268%
11	9.914	1349	1359	1365	rBV2	103746	218156	1.81%	0.348%
12	10.120	1382	1394	1405	rBV3	64543	155430	1.29%	0.248%
13	10.344	1424	1432	1437	rBV	877076	1620038	13.47%	2.586%
14	10.408	1437	1443	1456	rVV	3031395	5709579	47.49%	9.112%
15	10.526	1456	1463	1470	rVB2	112750	226376	1.88%	0.361%
16	11.649	1645	1654	1663	rBV	856178	1486984	12.37%	2.373%
17	11.749	1663	1671	1680	rBV	2046475	3386494	28.17%	5.405%
18	11.855	1680	1689	1700	rBV	6312513	12022589	100.00%	19.188%
19	12.185	1736	1745	1754	rBV	3149097	5264711	43.79%	8.402%
20	12.485	1790	1796	1802	rBV	222859	349116	2.90%	0.557%
21	12.637	1815	1822	1831	rVB	719333	1219301	10.14%	1.946%
22	12.826	1847	1854	1859	rBV	743890	1144662	9.52%	1.827%
23	12.890	1859	1865	1868	rVV	2551960	4349077	36.17%	6.941%
24	12.920	1868	1870	1874	rVV	1245535	1697283	14.12%	2.709%
25	12.967	1874	1878	1891	rVB	969668	1574670	13.10%	2.513%
26	13.126	1898	1905	1914	rVB	1004468	1603819	13.34%	2.560%
27	13.273	1923	1930	1944	rVB	3891933	6173405	51.35%	9.853%
28	13.408	1944	1953	1958	rBV2	54563	146372	1.22%	0.234%
29	13.467	1958	1963	1968	rVB	91017	145382	1.21%	0.232%
30	13.585	1976	1983	1985	rVV	854035	1509153	12.55%	2.409%
31	13.614	1985	1988	1996	rVB	962374	1410431	11.73%	2.251%
32	13.749	2004	2011	2012	rBV	175443	264121	2.20%	0.422%
33	13.779	2012	2016	2020	rVV2	980291	1756079	14.61%	2.803%
34	13.820	2020	2023	2033	rVB4	479443	942186	7.84%	1.504%

LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
Data File : VD066021.D
Acq On : 23 Jul 2020 13:45
Operator : VA/SY
Sample : L3363-01
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 81-83

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\82D072120S.M
Title : SW846 8260

35	13.979	2044	2050	2055	rBV	126249	202477	1.68%	0.323%
36	14.037	2055	2060	2063	rVV	263074	439976	3.66%	0.702%
37	14.067	2063	2065	2070	rVV	240243	322843	2.69%	0.515%
38	14.126	2070	2075	2081	rVB	441594	654079	5.44%	1.044%
39	14.184	2081	2085	2089	rBV	96036	151696	1.26%	0.242%
40	14.237	2089	2094	2100	rVB2	252102	417608	3.47%	0.666%
41	14.367	2110	2116	2122	rVB2	103939	164611	1.37%	0.263%
42	14.449	2122	2130	2133	rBV	182567	297504	2.47%	0.475%
43	14.490	2133	2137	2141	rVV	220750	334692	2.78%	0.534%
44	14.720	2171	2176	2182	rBV	200689	339523	2.82%	0.542%
45	14.843	2188	2197	2202	rBV2	305613	641851	5.34%	1.024%
46	15.408	2284	2293	2300	rBV	167721	314681	2.62%	0.502%

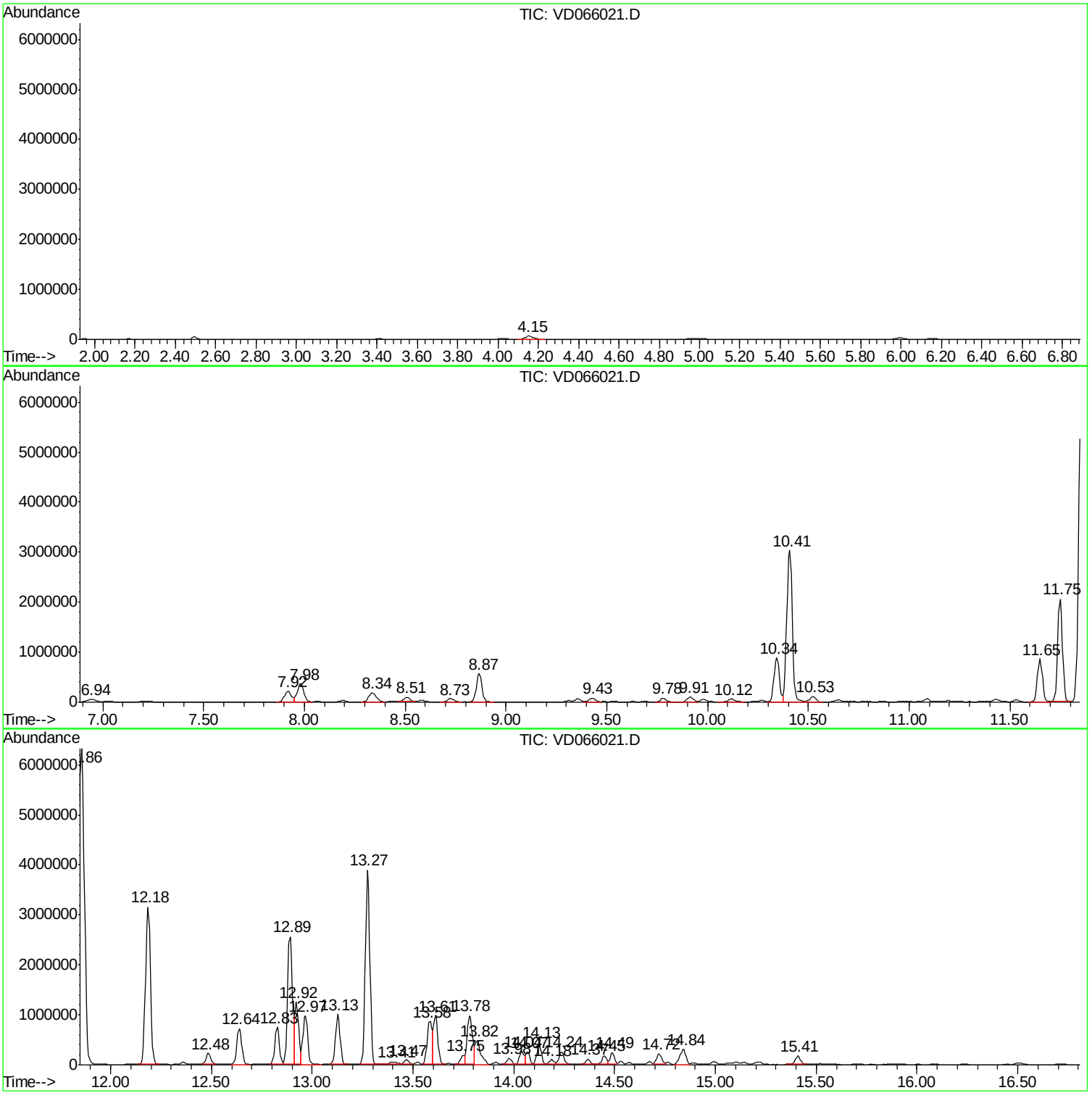
Sum of corrected areas: 62657507

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
Data File : VD066021.D
Acq On : 23 Jul 2020 13:45
Operator : VA/SY
Sample : L3363-01
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
81-83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.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 D\DATA\VD072320\
Data File : VD066021.D
Acq On : 23 Jul 2020 13:45
Operator : VA/SY
Sample : L3363-01
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 81-83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

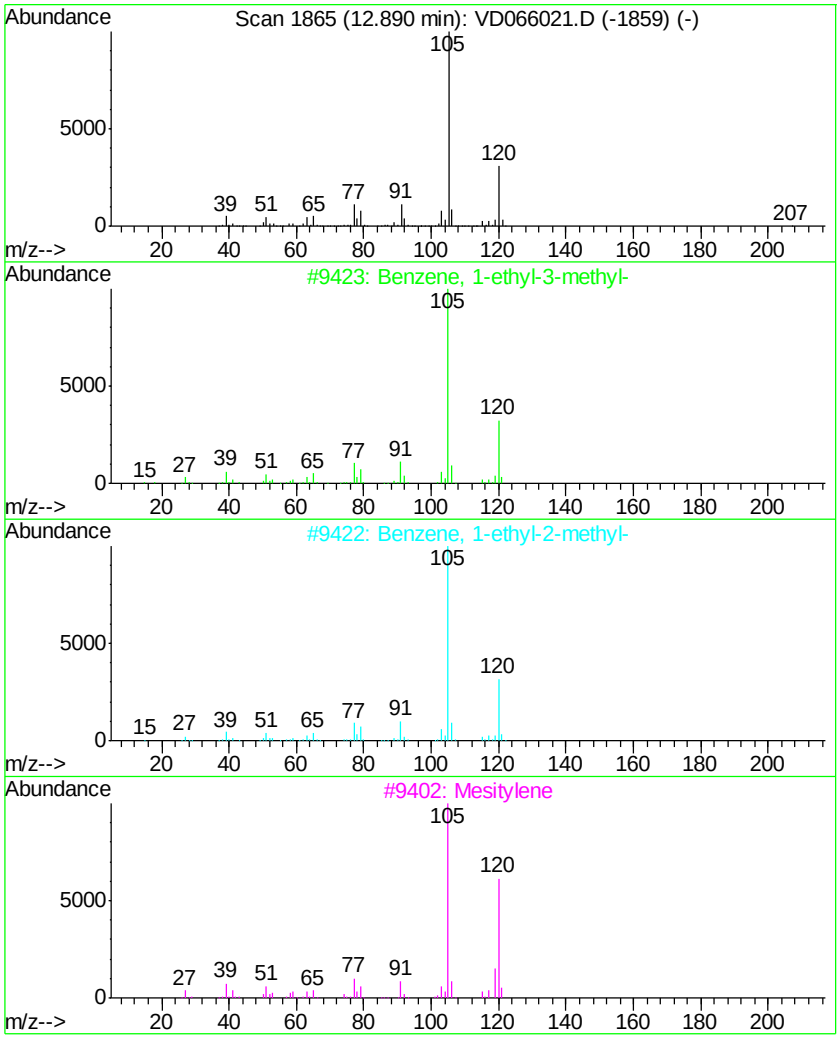
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

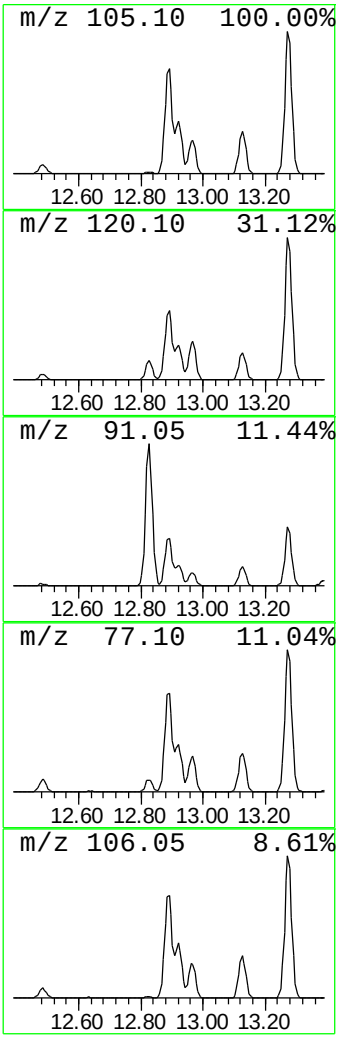
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.89	144.09 ug/l	4349080	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
Data File : VD066021.D
Acq On : 23 Jul 2020 13:45
Operator : VA/SY
Sample : L3363-01
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 81-83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

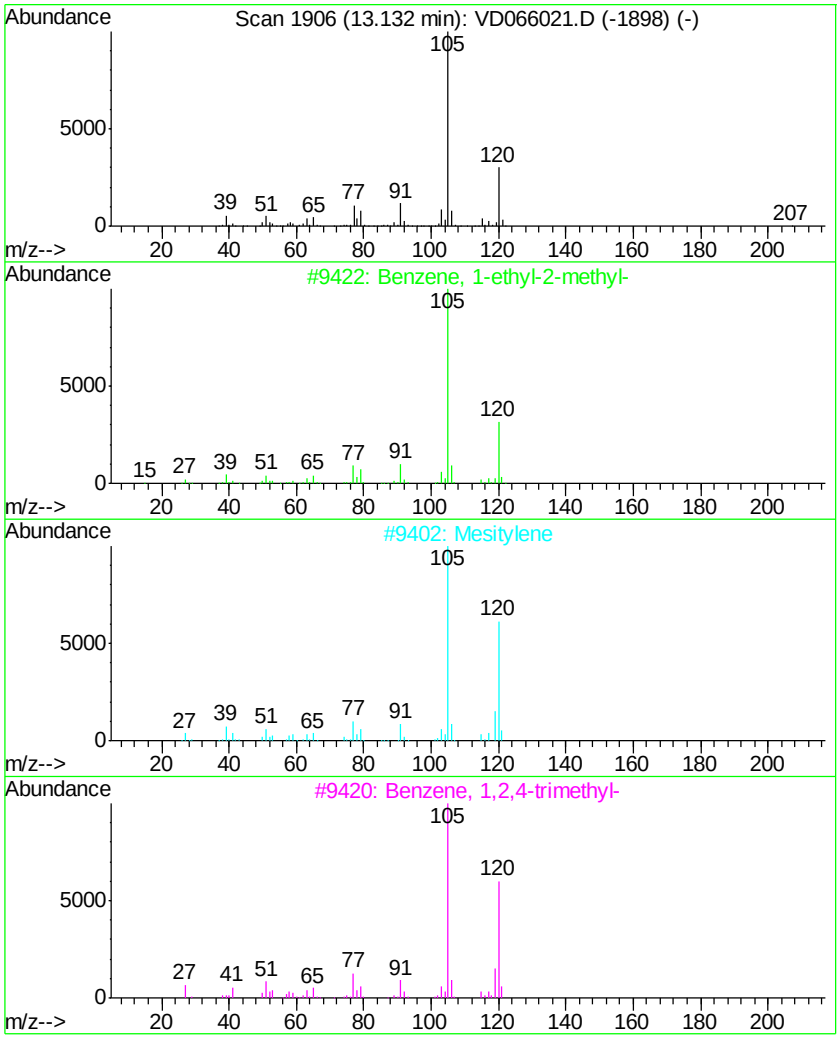
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

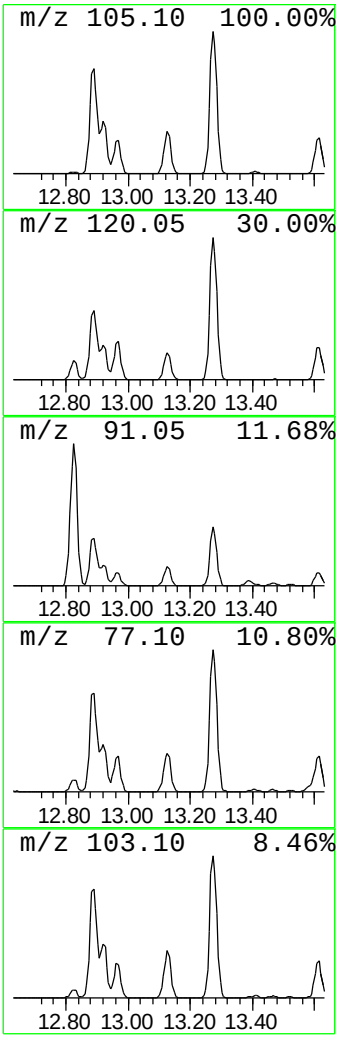
****

Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	53.14 ug/l	1603820	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	Mesitylene	120	C9H12	000108-67-8	91
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	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
Data File : VD066021.D
Acq On : 23 Jul 2020 13:45
Operator : VA/SY
Sample : L3363-01
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 81-83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

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

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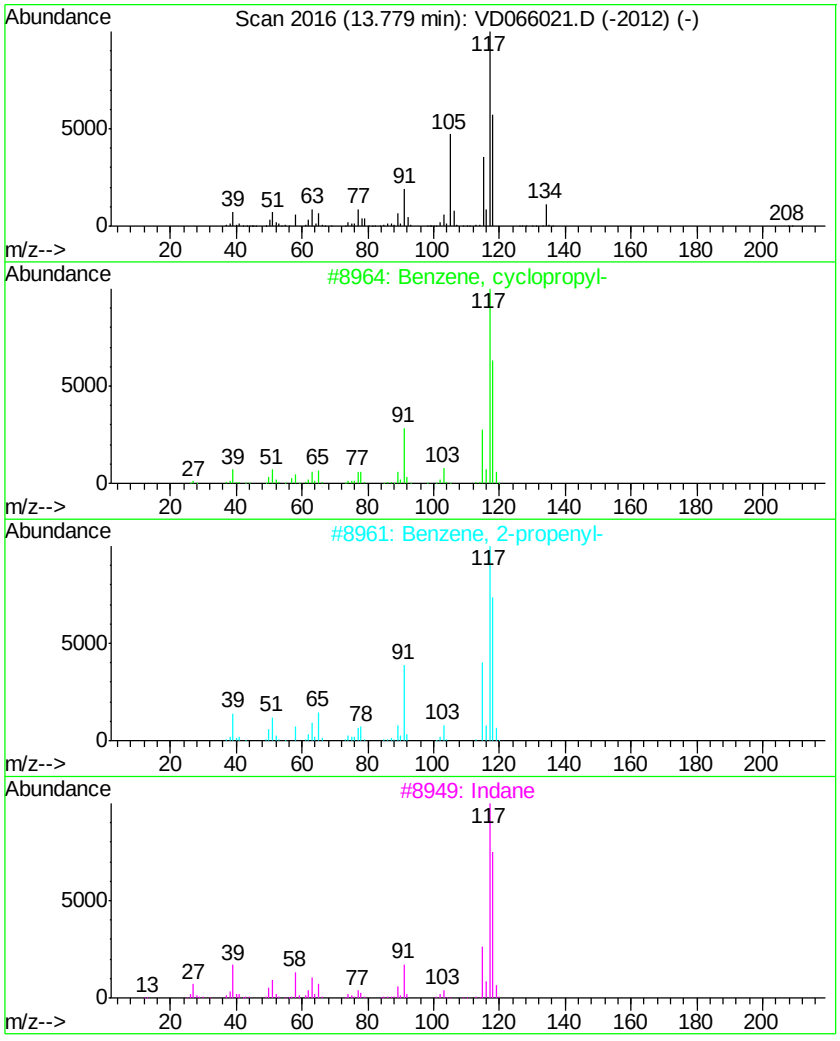
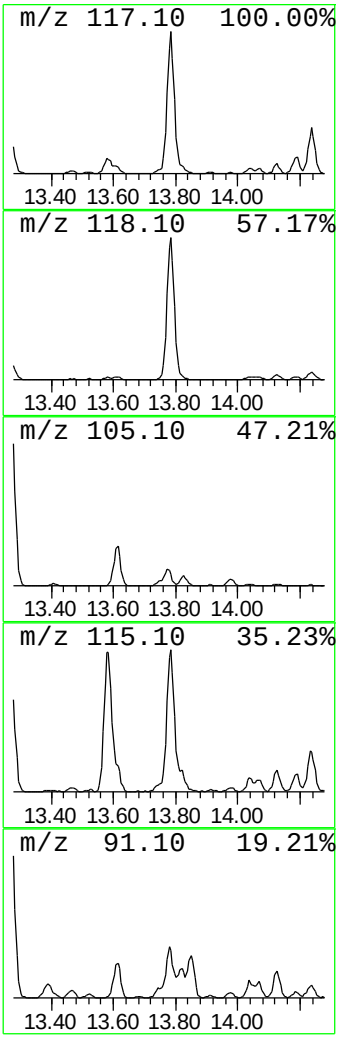
Peak Number 3 Benzene, cyclopropyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.78	58.18 ug/l	1756080	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	76
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	76
3	Indane	118	C9H10	000496-11-7	76
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	58
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	53





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
Data File : VD066021.D
Acq On : 23 Jul 2020 13:45
Operator : VA/SY
Sample : L3363-01
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 81-83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

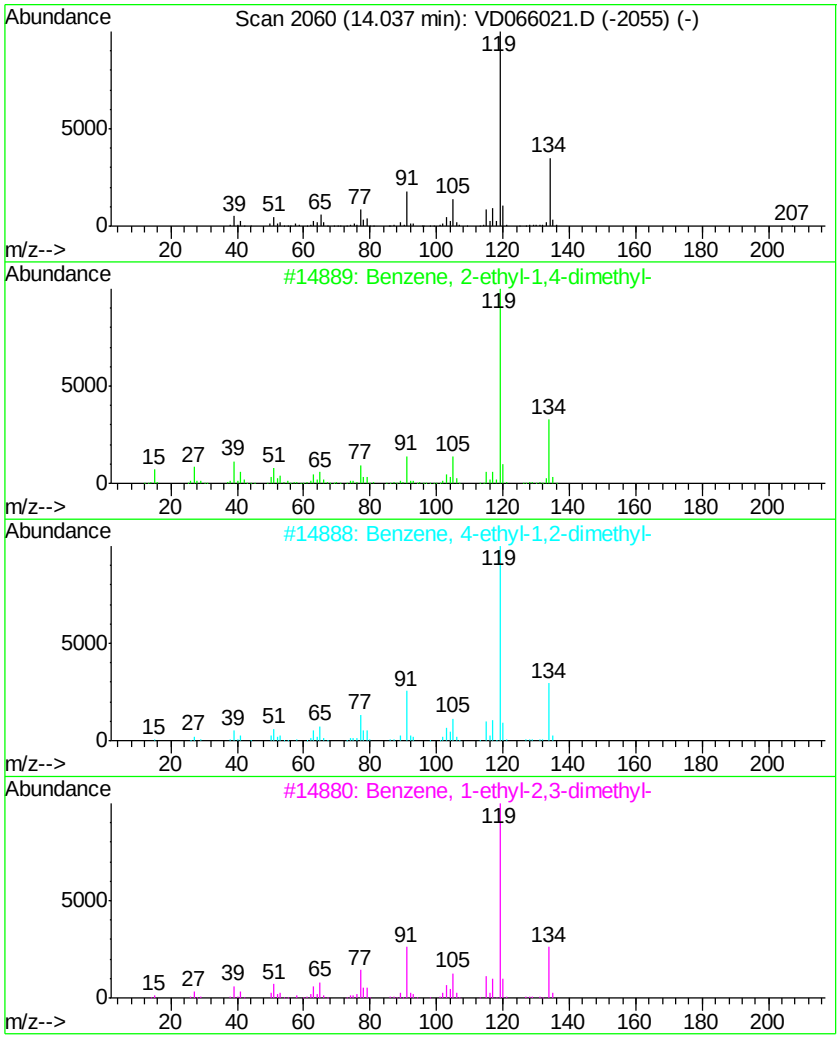
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

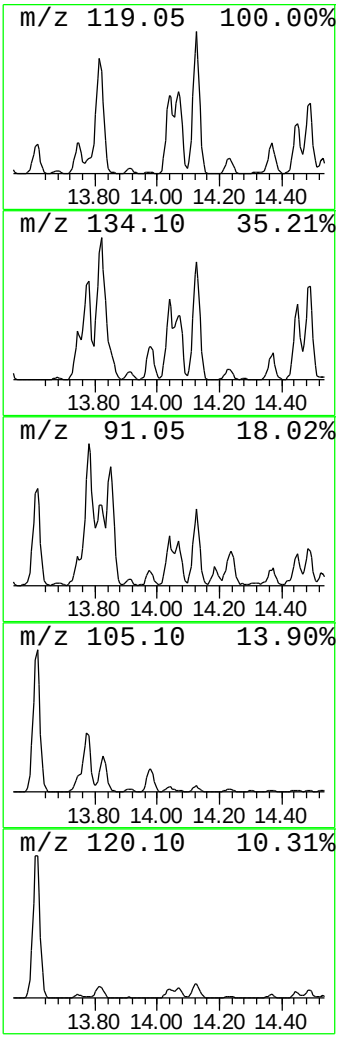
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.04	14.58 ug/l	439976	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	o-Cymene	134	C10H14	000527-84-4	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
Data File : VD066021.D
Acq On : 23 Jul 2020 13:45
Operator : VA/SY
Sample : L3363-01
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 81-83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

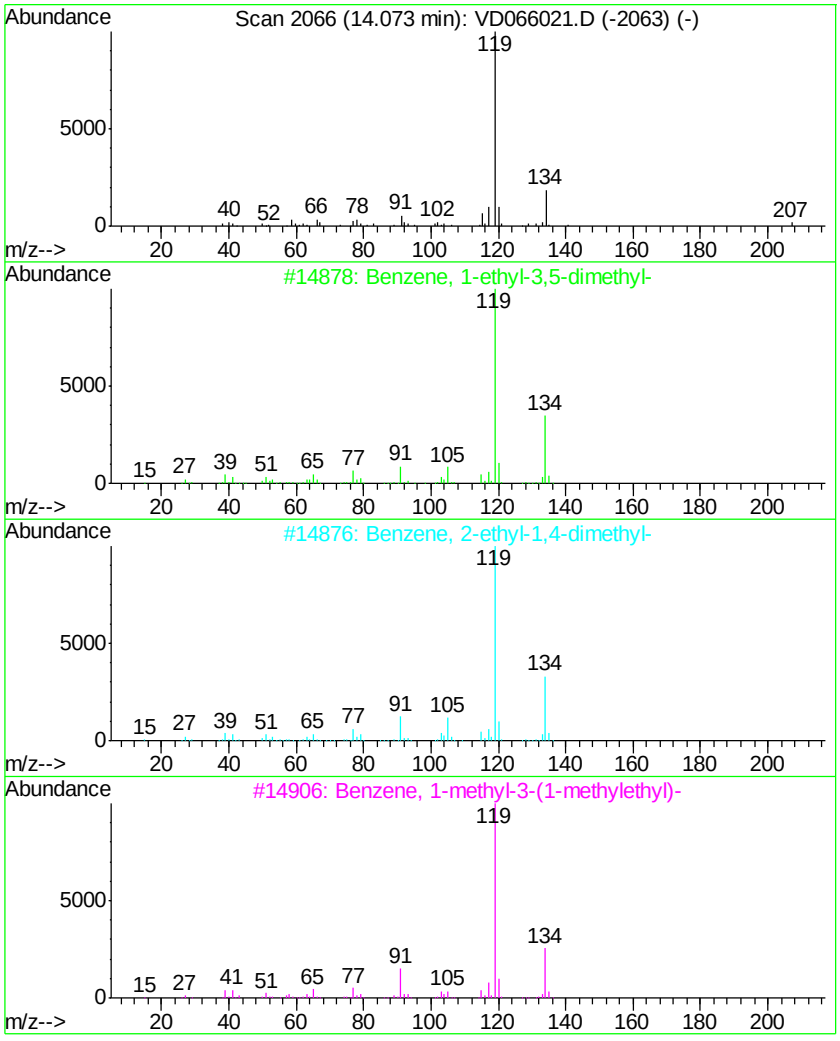
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

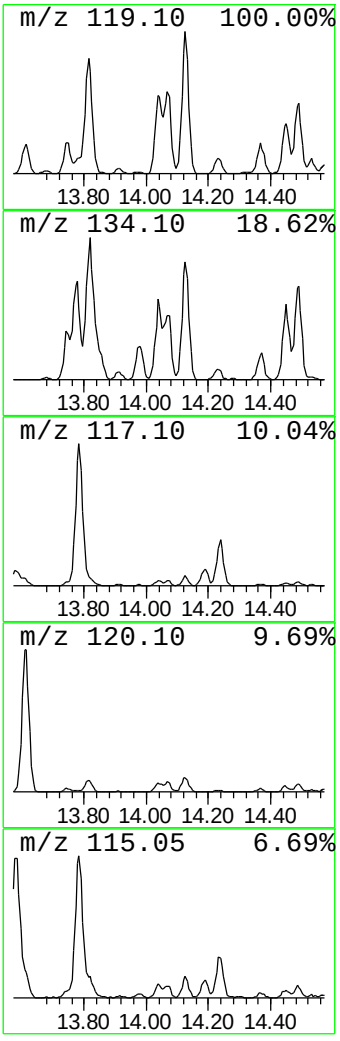
****

Peak Number 5 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.07	10.70 ug/l	322843	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	86





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
Data File : VD066021.D
Acq On : 23 Jul 2020 13:45
Operator : VA/SY
Sample : L3363-01
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 81-83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

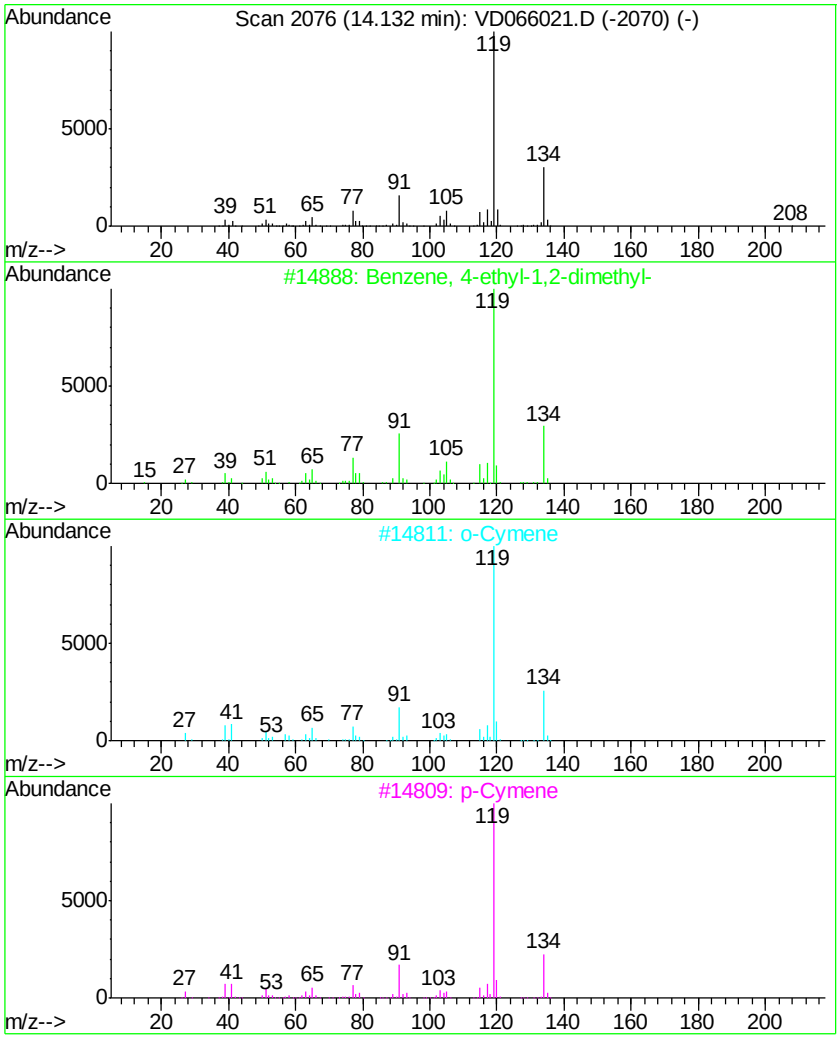
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

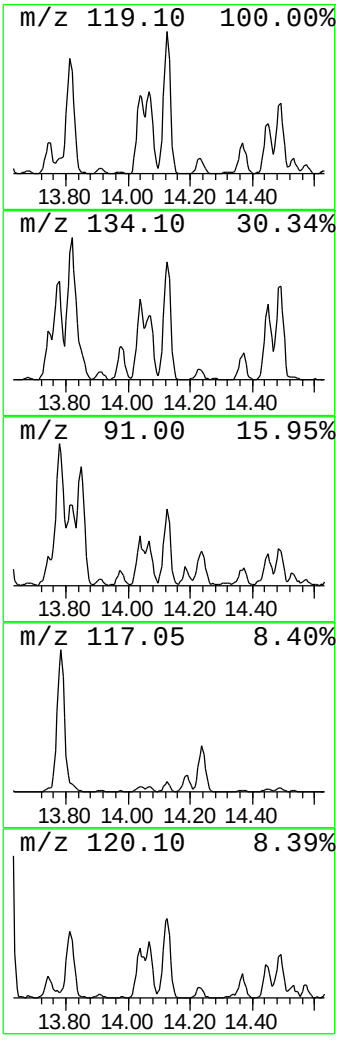
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	21.67 ug/l	654079	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	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	p-Cymene	134	C10H14	000099-87-6	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
Data File : VD066021.D
Acq On : 23 Jul 2020 13:45
Operator : VA/SY
Sample : L3363-01
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 81-83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

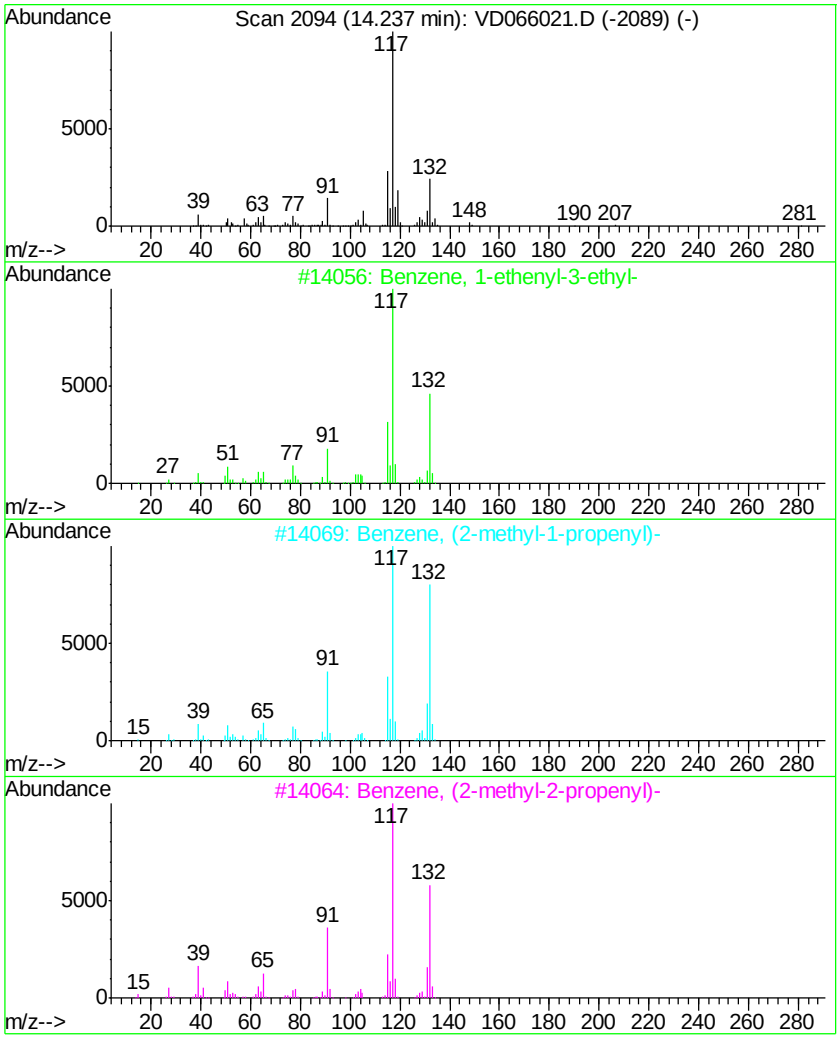
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

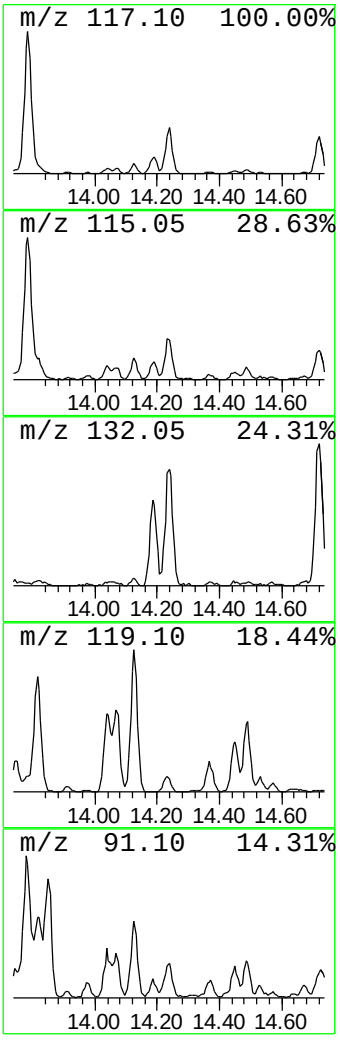
****

Peak Number 7 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	13.84 ug/l	417608	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	83
2	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	83
4	Indan, 1-methyl-	132	C10H12	000767-58-8	81
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	74





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
Data File : VD066021.D
Acq On : 23 Jul 2020 13:45
Operator : VA/SY
Sample : L3363-01
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 81-83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

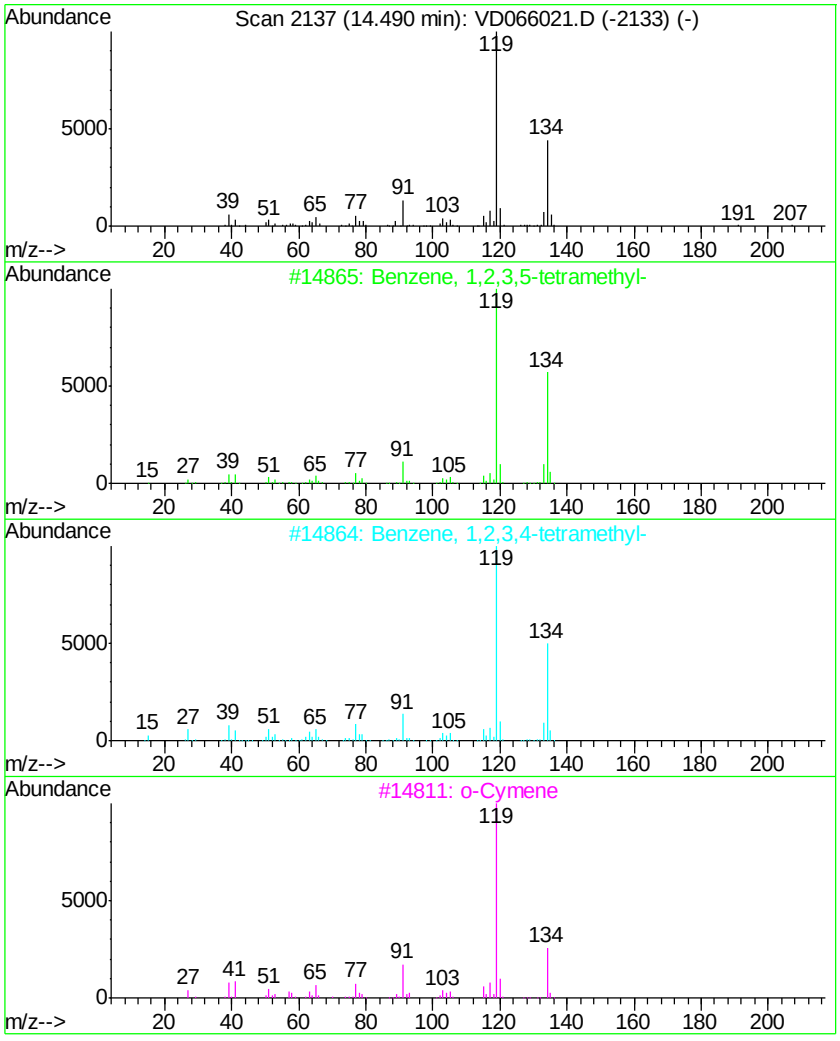
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

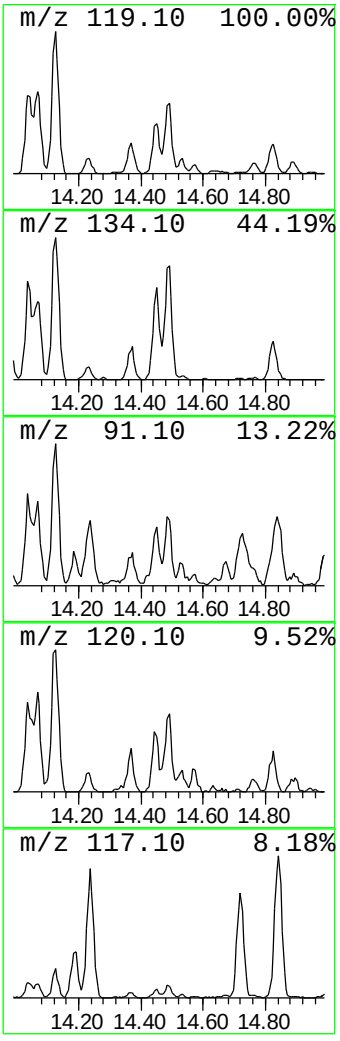
****

Peak Number 8 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	11.09 ug/l	334692	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	95
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	p-Cymene	134	C10H14	000099-87-6	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





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Data File : VD066021.D
Acq On : 23 Jul 2020 13:45
Operator : VA/SY
Sample : L3363-01
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 81-83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

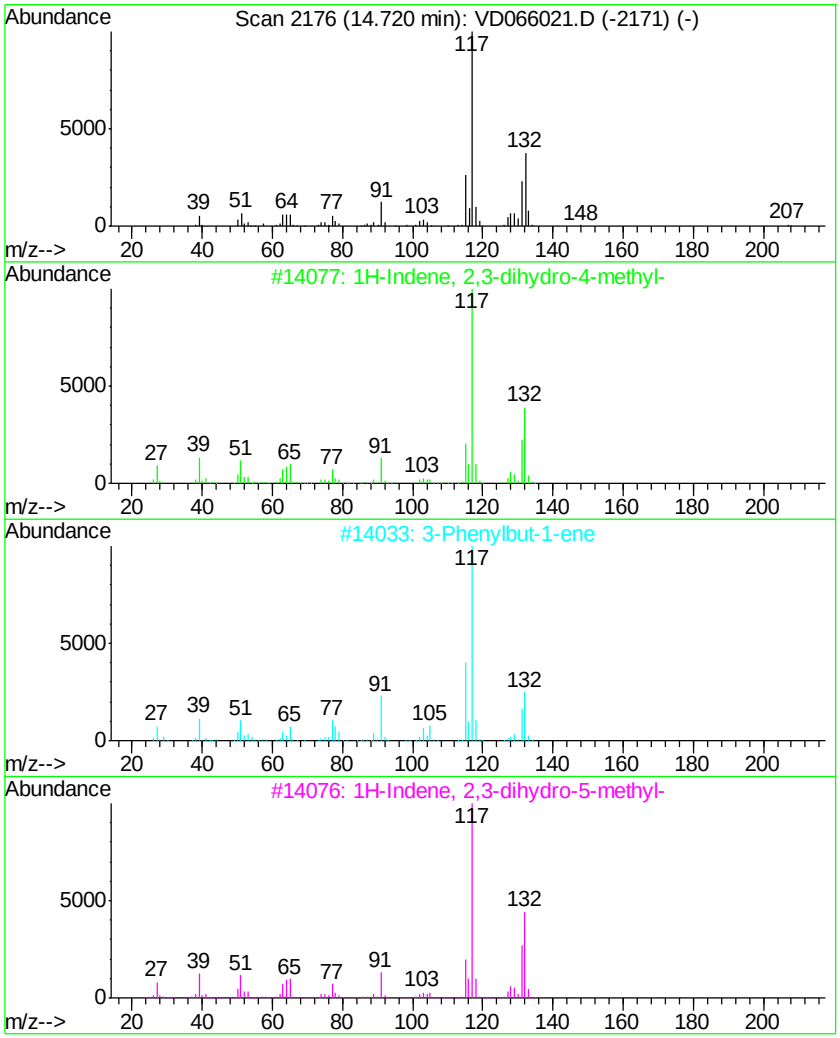
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

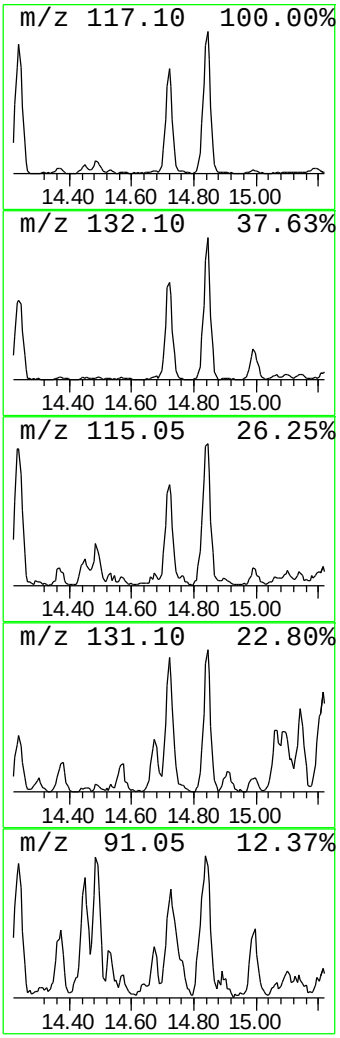
****

Peak Number 9 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	11.25 ug/l	339523	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87
4	1-Phenyl-1-butene	132	C10H12	000824-90-8	86
5	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	81





Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072320\
Data File : VD066021.D
Acq On : 23 Jul 2020 13:45
Operator : VA/SY
Sample : L3363-01
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 81-83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.M
Quant Title : SW846 8260

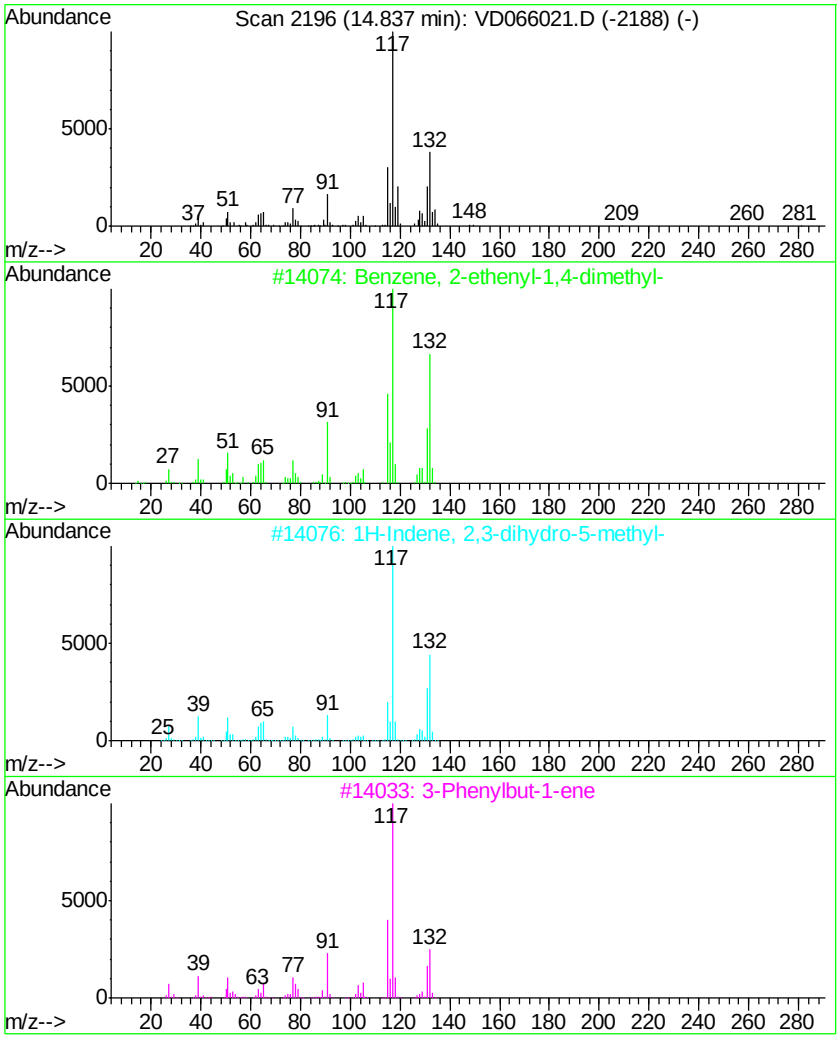
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

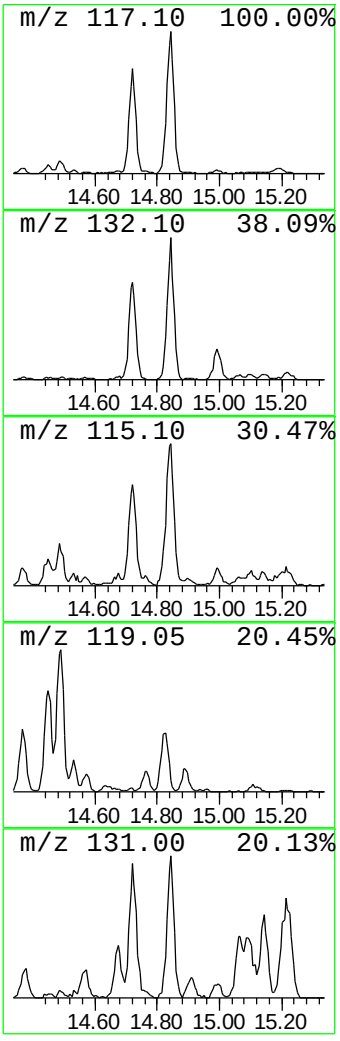
****

Peak Number 10 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	21.27 ug/l	641851	1,4-Dichlorobenzene-d4	13.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
4	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072320\
Data File : VD066021.D
Acq On : 23 Jul 2020 13:45
Operator : VA/SY
Sample : L3363-01
Misc : 5.04G/5.00ml/MSVOA_D/SOIL
ALS Vial : 8 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : 81-83

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072120S.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-...	12.89	144.1	ug/l	4349080	4	13.58	1509150	50.0
Benzene, 1-ethyl-...	13.13	53.1	ug/l	1603820	4	13.58	1509150	50.0
Benzene, cyclopro...	13.78	58.2	ug/l	1756080	4	13.58	1509150	50.0
Benzene, 2-ethyl-...	14.04	14.6	ug/l	439976	4	13.58	1509150	50.0
Benzene, 1-ethyl-...	14.07	10.7	ug/l	322843	4	13.58	1509150	50.0
Benzene, 4-ethyl-...	14.13	21.7	ug/l	654079	4	13.58	1509150	50.0
Benzene, 1-etheny...	14.24	13.8	ug/l	417608	4	13.58	1509150	50.0
Benzene, 1,2,3,5-...	14.49	11.1	ug/l	334692	4	13.58	1509150	50.0
1H-Indene, 2,3-di...	14.72	11.3	ug/l	339523	4	13.58	1509150	50.0
Benzene, 2-etheny...	14.84	21.3	ug/l	641851	4	13.58	1509150	50.0