LSC Area Percent Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
Data File : VD063183.D
Acq On : 22 Jul 2019 18:06
Operator : VA/AP
Sample : K3840-04
Misc : 3.93g/5ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-SF-02-005-B

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\82D071519S.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	1.750	27	33	34	rBV2	10812	30701	1.46%	0.229%
2	1.848	40	43	45	rVV3	13883	21592	1.02%	0.161%
3	3.226	178	183	190	rBV	70881	183994	8.73%	1.374%
4	3.817	238	243	248	rBV2	35950	95678	4.54%	0.714%
5	4.703	328	333	337	rVB3	8478	24406	1.16%	0.182%
6	6.170	476	482	490	rBV2	40254	131627	6.24%	0.983%
7	7.056	564	572	582	rBV	579623	1653268	78.40%	12.343%
8	7.459	607	613	625	rBV	403322	1048257	49.71%	7.826%
9	8.227	685	691	703	rBV	826511	2108682	100.00%	15.743%
10	8.877	752	757	763	rVB2	9187	24646	1.17%	0.184%
11	10.127	880	884	889	rBV4	7987	22838	1.08%	0.171%
12	10.413	907	913	921	rBV	805207	1860533	88.23%	13.890%
13	10.521	921	924	927	rVB	16758	29187	1.38%	0.218%
14	10.629	930	935	937	rBV3	10481	22852	1.08%	0.171%
15	10.944	961	967	973	rVB4	14274	39510	1.87%	0.295%
16	11.102	979	983	990	rBV2	16491	35540	1.69%	0.265%
17	11.249	990	998	1004	rVB2	21111	65908	3.13%	0.492%
18	11.683	1031	1042	1046	rBV5	22085	65546	3.11%	0.489%
19	11.761	1046	1050	1054	rVV	27019	54930	2.60%	0.410%
20	11.840	1054	1058	1061	rVV3	24203	52054	2.47%	0.389%
21	12.126	1083	1087	1090	rVV2	30023	61243	2.90%	0.457%
22	12.175	1090	1092	1095	rVB2	17838	28423	1.35%	0.212%
23	12.323	1103	1107	1108	rBV2	14734	28010	1.33%	0.209%
24	12.372	1108	1112	1117	rVV	936995	1504699	71.36%	11.234%
25	12.549	1125	1130	1134	rBV4	20882	45129	2.14%	0.337%
26	12.638	1134	1139	1140	rVV3	14755	35219	1.67%	0.263%
27	12.706	1143	1146	1149	rVV	29819	53723	2.55%	0.401%
28	12.756	1149	1151	1157	rVB3	16586	31625	1.50%	0.236%
29	13.012	1173	1177	1180	rBV3	27537	67153	3.18%	0.501%
30	13.228	1191	1199	1202	rBV	34695	68776	3.26%	0.513%
31	13.317	1205	1208	1212	rVV3	29670	64770	3.07%	0.484%
32	13.396	1212	1216	1220	rVB2	42172	67529	3.20%	0.504%
33	13.494	1220	1226	1228	rBV5	14790	36414	1.73%	0.272%
34	13.563	1229	1233	1237	rVV	679337	935112	44.35%	6.981%

LSC Area Percent Report

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Acq On : 22 Jul 2019 18:06
Operator : VA/AP
Sample : K3840-04
Misc : 3.93g/5ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-SF-02-005-B

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\82D071519S.M
Title : SW846 8260

35	13.720	1246	1249	1251	rVB3	35690	54873	2.60%	0.410%
36	13.888	1264	1266	1267	rVV	13762	22401	1.06%	0.167%
37	13.937	1267	1271	1273	rVV	111345	171130	8.12%	1.278%
38	13.976	1273	1275	1278	rVB2	27707	42474	2.01%	0.317%
39	14.114	1286	1289	1293	rBV5	13014	30804	1.46%	0.230%
40	14.203	1296	1298	1300	rVV2	19127	26863	1.27%	0.201%
41	14.252	1300	1303	1307	rVB4	14750	31688	1.50%	0.237%
42	14.449	1320	1323	1328	rVB4	29153	57039	2.70%	0.426%
43	14.518	1328	1330	1333	rBV	515907	725155	34.39%	5.414%
44	14.557	1333	1334	1339	rVB	80754	110660	5.25%	0.826%
45	14.656	1339	1344	1345	rVB4	13483	29650	1.41%	0.221%
46	14.715	1347	1350	1351	rBV2	23945	32191	1.53%	0.240%
47	14.784	1354	1357	1359	rBV	82413	123744	5.87%	0.924%
48	14.813	1359	1360	1366	rVB5	28779	34087	1.62%	0.254%
49	14.892	1366	1368	1371	rBV3	19302	27663	1.31%	0.207%
50	15.010	1376	1380	1382	rBV3	19472	40203	1.91%	0.300%
51	15.059	1382	1385	1388	rVB	71150	84454	4.01%	0.631%
52	15.148	1392	1394	1398	rVB2	29685	57273	2.72%	0.428%
53	15.217	1398	1401	1404	rBV4	16974	37567	1.78%	0.280%
54	15.276	1404	1407	1410	rBV2	35088	62198	2.95%	0.464%
55	15.345	1410	1414	1416	rBV2	37186	55964	2.65%	0.418%
56	15.384	1416	1418	1420	rVB	73031	87435	4.15%	0.653%
57	15.433	1420	1423	1426	rBV4	41234	64340	3.05%	0.480%
58	15.551	1430	1435	1437	rBV4	30233	50278	2.38%	0.375%
59	15.630	1442	1443	1445	rBV	14035	21281	1.01%	0.159%
60	15.679	1445	1448	1453	rVB	105377	163625	7.76%	1.222%
61	15.748	1453	1455	1457	rVB3	28517	36963	1.75%	0.276%
62	15.807	1457	1461	1464	rVB5	19342	36745	1.74%	0.274%
63	15.935	1464	1474	1477	rBV6	48262	152834	7.25%	1.141%
64	16.004	1477	1481	1483	rVB2	39209	55311	2.62%	0.413%
65	16.172	1497	1498	1502	rVB2	15074	21821	1.03%	0.163%
66	16.231	1502	1504	1506	rBV3	29331	42396	2.01%	0.317%
67	16.300	1509	1511	1515	rVB4	12388	24537	1.16%	0.183%
68	16.369	1515	1518	1520	rBV	24691	29904	1.42%	0.223%
69	16.487	1526	1530	1531	rBV3	29538	49894	2.37%	0.372%
70	16.634	1542	1545	1547	rBV	21139	27378	1.30%	0.204%
71	16.733	1553	1555	1558	rVB2	33050	43017	2.04%	0.321%

LSC Area Percent Report

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Acq On : 22 Jul 2019 18:06
Operator : VA/AP
Sample : K3840-04
Misc : 3.93g/5ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-SF-02-005-B

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\82D071519S.M
Title : SW846 8260

72	16.880	1566	1570	1573	rBV3	16170	29100	1.38%	0.217%

Sum of corrected areas: 13394514

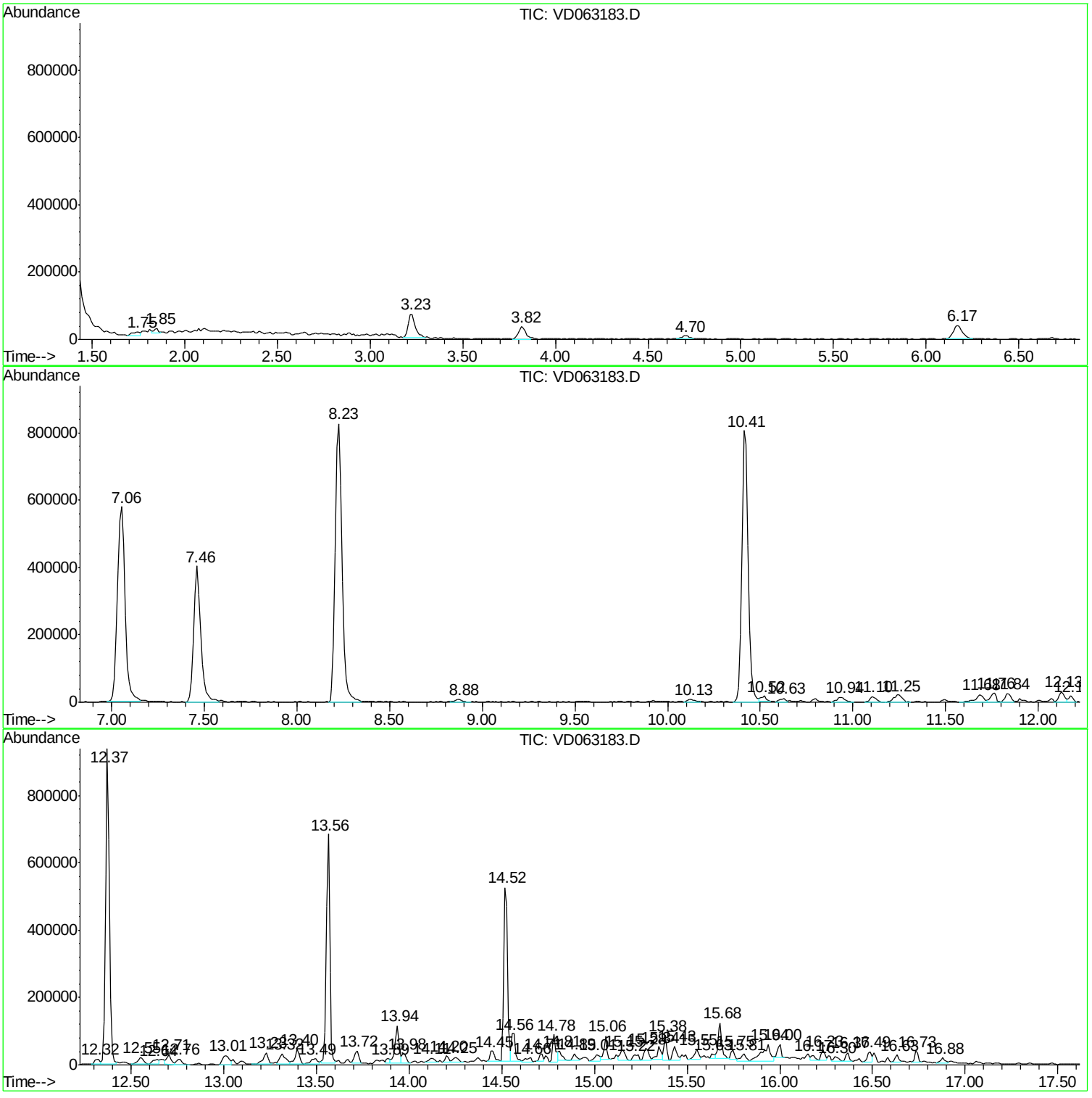
LSC Report - Integrated Chromatogram

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
Data File : VD063183.D
Acq On : 22 Jul 2019 18:06
Operator : VA/AP
Sample : K3840-04
Misc : 3.93g/5ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
FK-SF-02-005-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.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\VD072219\
Data File : VD063183.D
Acq On : 22 Jul 2019 18:06
Operator : VA/AP
Sample : K3840-04
Misc : 3.93g/5ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-SF-02-005-B

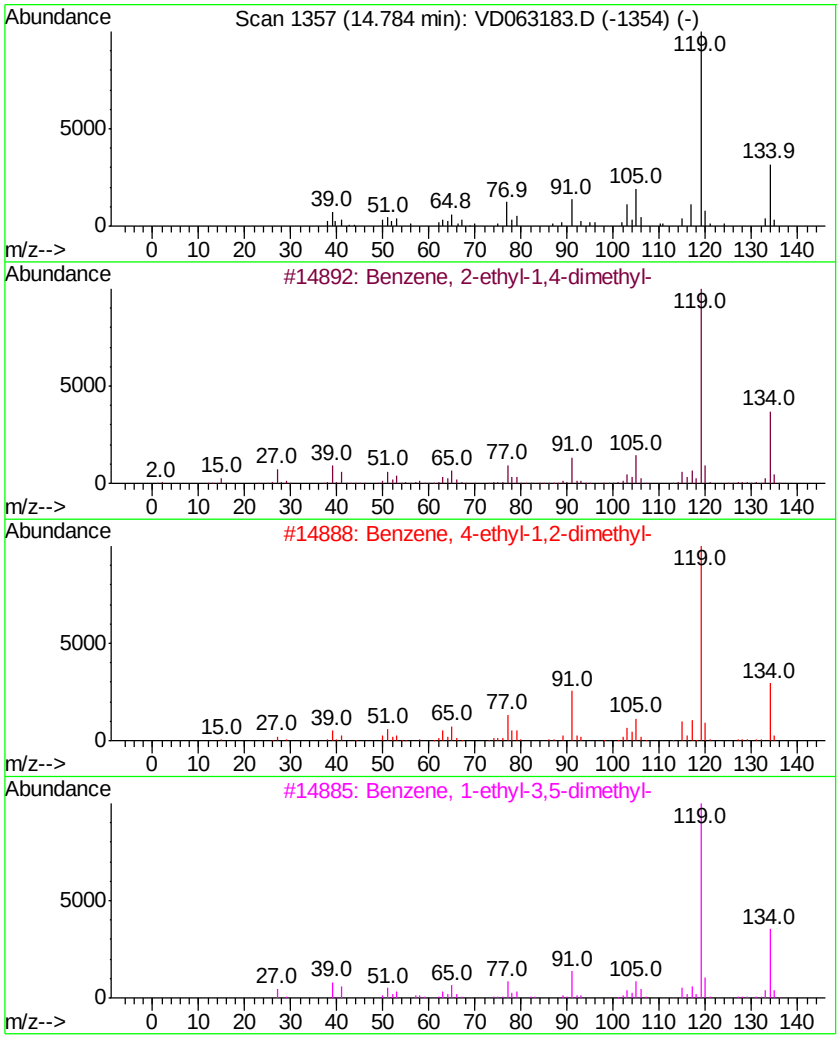
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260

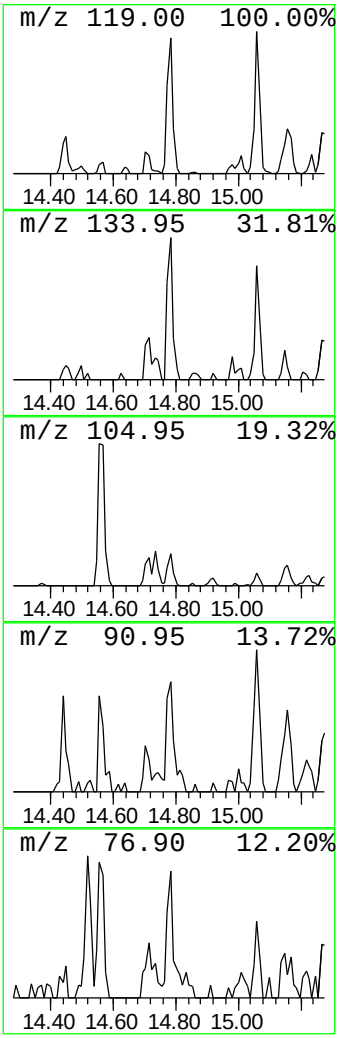
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.78	8.53 ug/l	123744	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	81
4	o-Cymene	134	C10H14	000527-84-4	76
5	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	72





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
Data File : VD063183.D
Acq On : 22 Jul 2019 18:06
Operator : VA/AP
Sample : K3840-04
Misc : 3.93g/5ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-SF-02-005-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260

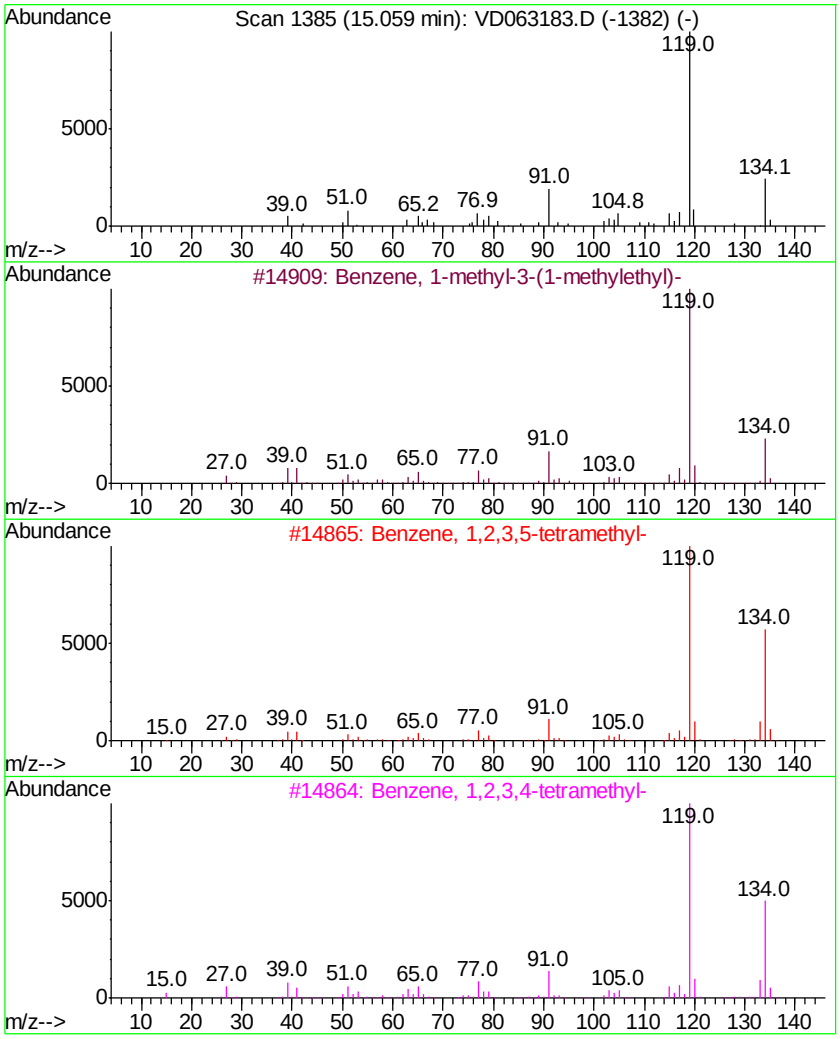
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

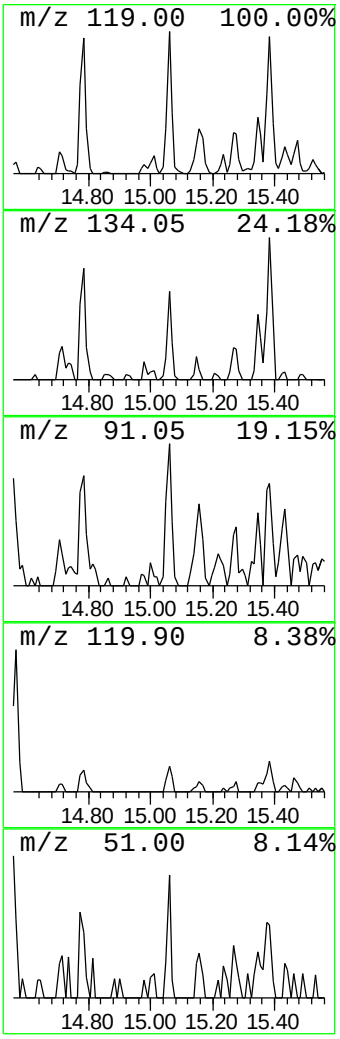
****

Peak Number 2 Benzene, 1-methyl-3-(1-meth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	5.82 ug/l	84454	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
5	o-Cymene	134	C10H14	000527-84-4	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
Data File : VD063183.D
Acq On : 22 Jul 2019 18:06
Operator : VA/AP
Sample : K3840-04
Misc : 3.93g/5ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-SF-02-005-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260

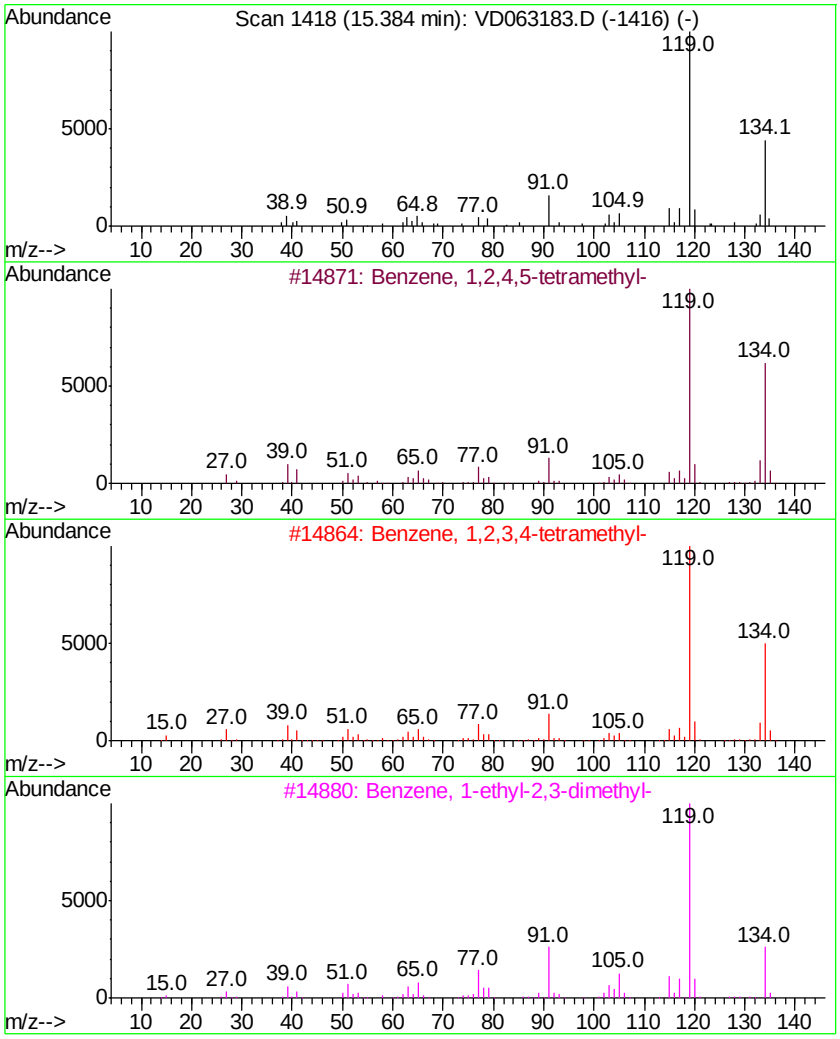
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

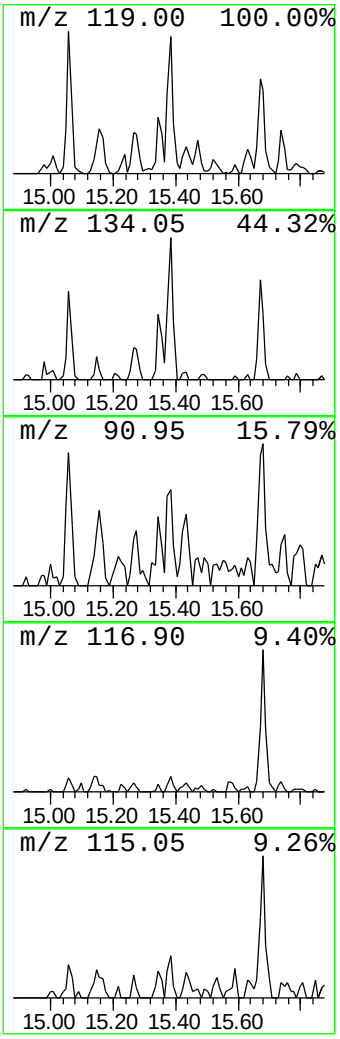
****

Peak Number 3 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	6.03 ug/l	87435	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
Data File : VD063183.D
Acq On : 22 Jul 2019 18:06
Operator : VA/AP
Sample : K3840-04
Misc : 3.93g/5ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-SF-02-005-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260

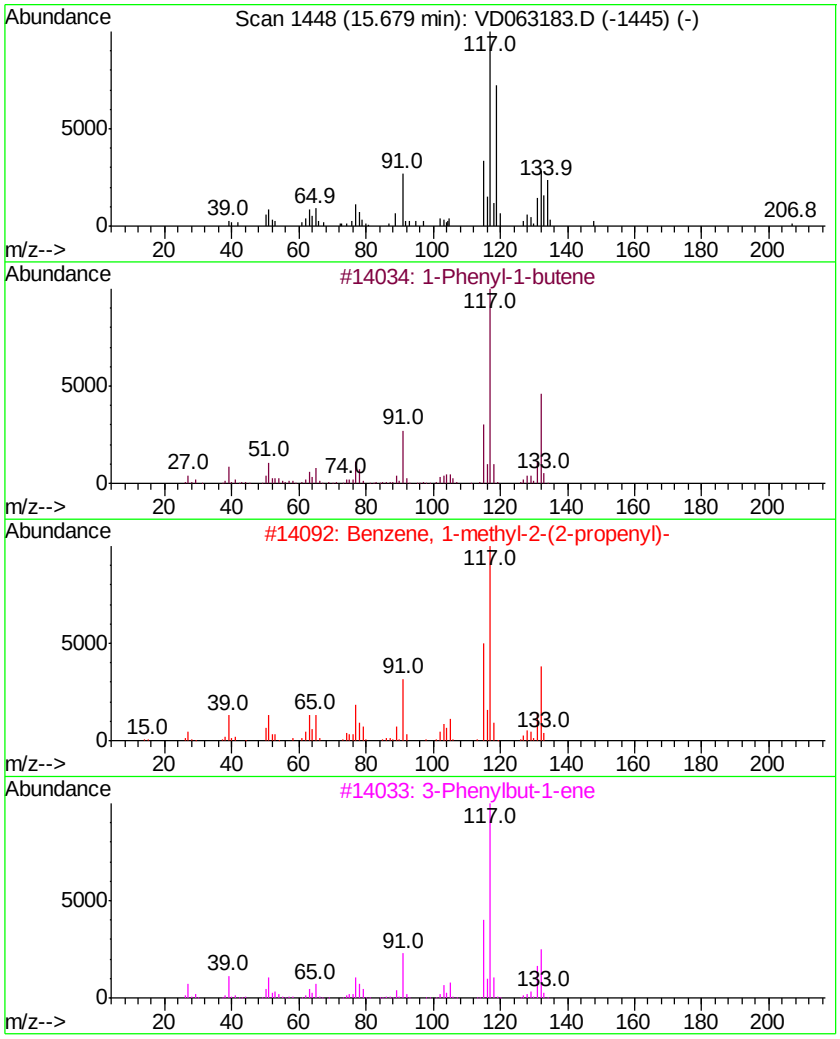
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

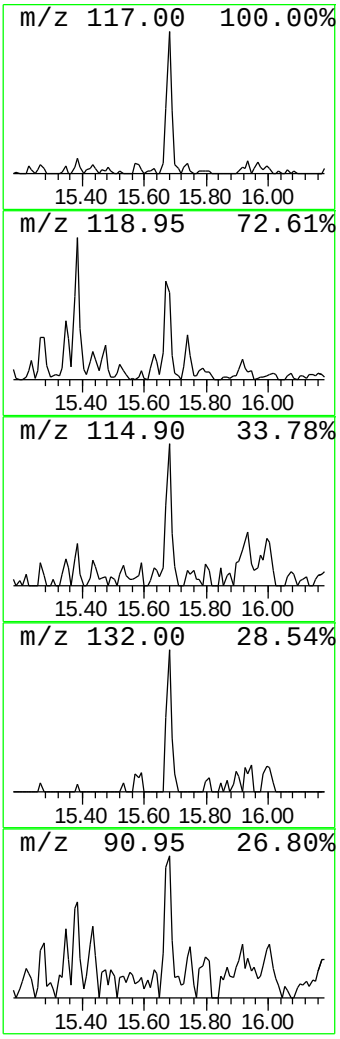
****

Peak Number 4 1-Phenyl-1-butene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	11.28 ug/l	163625	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	91
2	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	86
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70
5	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	70





Library Search Compound Report

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD072219\
Data File : VD063183.D
Acq On : 22 Jul 2019 18:06
Operator : VA/AP
Sample : K3840-04
Misc : 3.93g/5ml/MSVOA D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-SF-02-005-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.M
Quant Title : SW846 8260

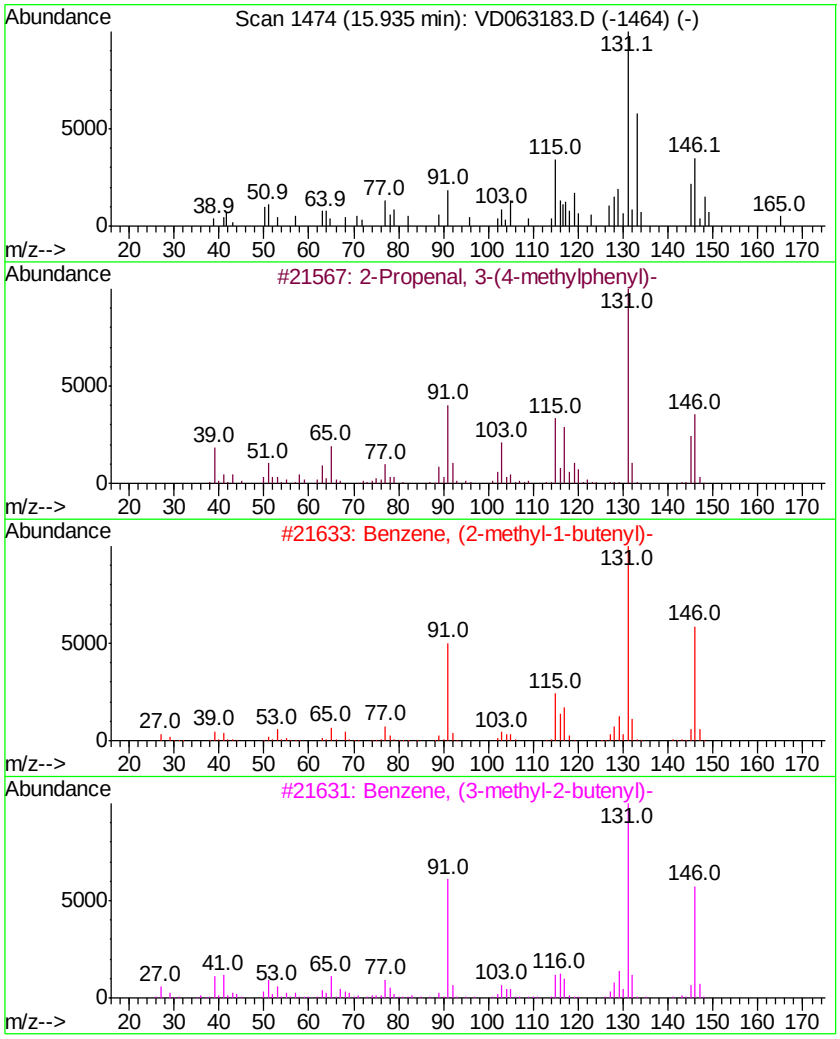
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

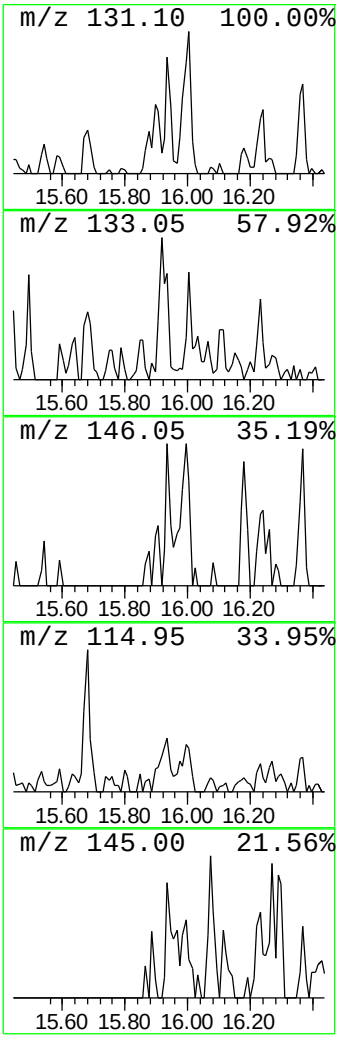
****

Peak Number 5 2-Propenal, 3-(4-methylphen... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.94	10.54 ug/l	152834	1,4-Dichlorobenzene-d4	14.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	83
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	58
3	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	55
4	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	53
5	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD072219\
Data File : VD063183.D
Acq On : 22 Jul 2019 18:06
Operator : VA/AP
Sample : K3840-04
Misc : 3.93g/5ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument : MSVOA_D
ClientSampleId : FK-SF-02-005-B

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D071519S.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-ethyl-...	14.78	8.5	ug/l	123744	4	14.53	725155	50.0
Benzene, 1-methyl...	15.06	5.8	ug/l	84454	4	14.53	725155	50.0
Benzene, 1,2,4,5-...	15.38	6.0	ug/l	87435	4	14.53	725155	50.0
1-Phenyl-1-butene	15.68	11.3	ug/l	163625	4	14.53	725155	50.0
2-Propenal, 3-(4-...	15.94	10.5	ug/l	152834	4	14.53	725155	50.0